

19991125.qrp v01_n650.qrl.991125

Date: Thu, 25 Nov 1999 19:03:07 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1650

QRP-L Digest 1650

Topics covered in this issue include:

- 1) [56708] Re: To QRP or Not to QRP
by "Ron Polityka" <wb3aal@talon.net>
- 2) [56709] FOX pre FOX
by "Marshall Emm" <mgemm@mtechnologies.com>
- 3) [56710] ANT: Tuned Radials?
by "Steve/n0tu" <n0tu@webaccess.net>
- 4) [56711] WA3WSJ/C6A/QRP Alert
by "Ron Polityka" <wb3aal@talon.net>
- 5) [56712] ANTS. Gap Titan answer
by "rohre" <rohre@arlut.utexas.edu>
- 6) [56713] Re: WA3WSJ/C6A/QRP Alert
by "Ron Polityka" <wb3aal@talon.net>
- 7) [56714] Re: Tuned Radials?
by "Dan W. Dooley" <dandooley@pipeline.com>
- 8) [56715] HB: Dans Silver Mica Caps Summary (Long)
by Wa3ptg@aol.com
- 9) [56716] FOX 10 DOC k0EVZ
by Tom Palmer <n1tp@worldnet.att.net>
- 10) [56717] FOX: Great Job Doc!!!
by K5ln@aol.com
- 11) [56718] Update on HBR-20 receiver Manhattan-style
by "ai2q" <ai2q@ispchannel.com>
- 12) [56719] Re: [PaQSO] Yaesu FT747GX /747SX QRP mod
by kc8aon@juno.com
- 13) [56720] Re: FOX: Great Job Doc!!!
by Macstein@aol.com
- 14) [56721] FOX: Got ya Doc!
by Shepherd@aol.com
- 15) [56722] RE: Diamond CP5 vertical antenna report wanted
by "Ed Tanton" <n4xy@att.net>
- 16) [56723] K0EVZ FOX--Tks All, Log Tomorrow
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 17) [56724] Dayton rooms?
by "Paul Helbert, Wv3j" <phelbert@rica.net>
- 18) [56725] Re: K0EVZ FOX--Tks All, Log Tomorrow
by Brian Murrey <brian@iquest.net>
- 19) [56726] Index Labs QRP+

- by Lou Martin <lmartin@uswest.net>
- 20) [56727] RE: QRP operation..... sending "/QRP etc.
by "Ed Tanton" <n4xy@att.net>
- 21) [56728] Re: To QRP or Not to QRP
by k5zty@juno.com
- 22) [56729] Re: QST QRP Column
by k5zty@juno.com
- 23) [56730] Re: To QRP or Not to QRP
by k5zty@juno.com
- 24) [56731] Re: K0EVZ FOX--Tks All, Log Tomorrow
by Pete Burbank <plburbank@kih.net>
- 25) [56732] RE: QST QRP Column
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 26) [56733] QRPp CW tomorrow.....
by jmarran@juno.com
- 27) [56734] 20m HOT!
by Roger Traylor <traylor@ECE.ORST.EDU>
- 28) [56735] RE: To QRP or Not to QRP
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 29) [56736] Re: of coax and tuners
by wa8rxi@juno.com
- 30) [56737] Re: Dayton rooms?
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 31) [56738] Re: K0EVZ FOX--Tks All, Log Tomorrow
by Monte Stark <ku7y@dri.edu>
- 32) [56739] A Short (as in QRP) Thanksgiving Message
by DYARNES@aol.com
- 33) [56740] Re: To QRP or Not to QRP
by Monte Stark <ku7y@dri.edu>
- 34) [56741] Re: K0EVZ FOX--Tks All, Log Tomorrow
by Monte Stark <ku7y@dri.edu>
- 35) [56742] Re: A Short (as in QRP) Thanksgiving Message
by Monte Stark <ku7y@dri.edu>
- 36) [56743] Re: A Short (as in QRP) Thanksgiving Message
by "Sly (9M8SL)" <cqsly@tm.net.my>
- 37) [56744] Re: A Short (as in QRP) Thanksgiving Message
by "Francis Callahan" <colcal@srv.net>
- 38) [56745] Re: Easy 10 meter quad
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 39) [56746] WA3WSJ/C6A DXpedition Update
by "Ron Polityka" <wb3aal@talon.net>
- 40) [56747] Ferrite Toroid ID ? To mark or not to mark ?
by patrick m kvitkauskas <pmk@juno.com>
- 41) [56748] Re: FOX 10 DOC k0EVZ
by Bruce Rattray <rattray@gpfn.sk.ca>
- 42) [56749] RTTY/CW PC Interface Recommendations?
by "William Phinizy" <k6whp@gte.net>
- 43) [56750] Beacon Heard

by K4NK@aol.com

44) [56751] Re: Beacon Heard
by "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>

45) [56752] Re: Beacon Heard
by "Charlie Fitts" <cfitts@neca.com>

46) [56753] Re: knightlight beacon.. where??
by Paul Stroud <aa4xx@ipass.net>

47) [56754] Re: GB> Lafayette HE-63 Communications Receiver
by af852@rgfn.epcc.edu (William R Colbert)

48) [56755] 40M QRPp Beacon early reports
by Paul Stroud <aa4xx@ipass.net>

49) [56756] Where ?
by kc8aon@juno.com

50) [56757] Re: RTTY/CW PC Interface Recommendations?
by kc8aon@juno.com

51) [56758] Beacon Heard, 7004 khz
by Bob Edwards <w4ed@gis.net>

52) [56759] Re: 40M QRPp Beacon early reports
by Ray Colbert <af852@rgfn.epcc.edu>

53) [56760] Thanksgiving
by "Richard Arland" <r_arland@hotmail.com>

54) [56761] Re: QST QRP Column
by "Richard Arland" <r_arland@hotmail.com>

55) [56762] Re: To QRP or Not to QRP
by "Nick Kennedy" <nkennedy@cswnet.com>

56) [56763] RE: Ferrite Toroid ID ? To mark or not to mark ?
by "Ed Tanton" <n4xy@att.net>

57) [56764] MY Cajun MaMa & qrp Power
by hamjoel@juno.com

58) [56765] Re: knightlight beacon.. where??
by Dean W Manley <kh6b@juno.com>

59) [56766] Re: K0EVZ FOX--Tks All, Log Tomorrow
by Dean W Manley <kh6b@juno.com>

60) [56767] RE: Update on HBR-20 receiver Manhattan-style
by "ai2q" <ai2q@ispchannel.com>

61) [56768] Beacon heard in PA
by "C. Lamar Derk" <n3at@noln.com>

62) [56769] Beacon
by Bruce Muscolino <w6toy@erols.com>

63) [56770] Re: Measuring Transistor Beta?
by Howard D Rubin <n3fel@juno.com>

64) [56771] Good L Antenna Article in 12/99 QST
by "James R. Duffey" <jamesd1@flash.net>

65) [56772] HB: Crystal question
by Rod J Johnson <ka7you@juno.com>

66) [56773] QRP++ PROBLEM
by Barry J Minsky <w2bj@juno.com>

67) [56774] FS: HTX-10

- by "W.six.ABC Oakland" <w6abc@yahoo.com>
- 68) [56775] qrp antenna question
by Bruce Rattray <rattray@gpfn.sk.ca>
- 69) [56776] Re: K0EVZ FOX--Tks All, Log Tomorrow
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 70) [56777] K0EVZ FOX Log 11/25/99
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 71) [56778] To QRP or not to QRP....Followup.
by "Dave" <kd6kwm@mindspring.com>
- 72) [56779] RE: QRP++ PROBLEM
by Dave Barrett <DBarrett@creo.com>
- 73) [56780] Re: RTTY/CW PC Interface Recommendations?
by kc8aon@juno.com
- 74) [56781] Re: knightlight beacon.. where??
by Dean W Manley <kh6b@juno.com>
- 75) [56782] Re: QRP++ PROBLEM
by Barry J Minsky <w2bj@juno.com>
- 76) [56783] Figuring out my new Index Labs QRP+
by Lou Martin <lmartin@uswest.net>
- 77) [56784] PEP reading for WM2?
by "N4BYJ" <aturner13@mindspring.com>
- 78) [56785] LDG Auto Tuner inside a QRP+?
by Lou Martin <lmartin@uswest.net>
- 79) [56786] RE:variable cap for HW8
by Mike Czuhajewski <wa8mcq@erols.com>
- 80) [56787] Re: HB: Crystal question
by Ray Colbert <af852@rgfn.epcc.edu>
- 81) [56788] RE:variable cap for HW8
by "Richard Williams" <richard.a.williams@attcanada.net>
- 82) [56789] HB: Screwdriver substitute
by BenNW7DX@aol.com

Date: Wed, 24 Nov 1999 19:02:17 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [56708] Re: To QRP or Not to QRP
Message-ID: <00d701bf36d8\$56f50fc0\$a8e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Everyone,

I don't tell the other station that I am QRP until I receive
my RST. Usually on the 2nd or 3rd exchange. I have

found that if someone finds it hard to receive what the station is sending they will not return to the station that is transmitting.

I have found that a good antenna system will make all the difference in the world. If you spend the time on tuning your antenna to resonance you will have a lot of fun. I have a Butternut vertical antenna on my roof with radials. The antenna took me 3 days to get it where I wanted the SWR's. Since August of 1999 I have worked 100 different DX countries with 5 watts. After I have received my RST I told the other station what I was running. They were usually very surprised. If they gave me the usual 5NN, they adjusted the RST after I told them I was 5 watts. 80 % of my contacts were 559 or better. My 100 DX station that I worked was in EI Land (Ireland). I told him on my 3rd transmission that I was QRP. To my surprise he was QRP also running 4 watts. We chatted for over 20 minutes.

Just got my Oak Hills Research WM-2 mWatt meter in the other day. Now I am going to melt some solder tonight. Next 100 DX Countries will be with mWatts.

Always remember to have fun. It is a great hobby.

Have a Safe & Happy Thanksgiving Everyone!!!!

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI-QRP #153
VA QRP Society	

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<http://setiathome.ssl.berkeley.edu>
100 + Work Units Completed

Date: Wed, 24 Nov 1999 17:17:37 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu
Subject: [56709] FOX pre FOX
Message-ID: <199911250014.RAA09194@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Just worked Doc at 0002 and condx look pretty good-- I thought he was starting early! I was just tidying up some stuff and heard him call CQ, looked at the clock and saw the 00 at the end of it and got all excited [g].

Turns out Doc was testing three different antennas and the worst of the three was 5/5/5 and the best, if I remember correctly it was the new loop, was an honest 5/9/9. So he should have a real good run. See you there!

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express and Oak Hills Research
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
<http://www.ohr.com>
(303)752-3382
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Date: Wed, 24 Nov 1999 17:27:52 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [56710] ANT: Tuned Radials?
Message-ID: <001101bf36db\$e9d8cae0\$5448460f@snp.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Went to a hamfest in Denver last weekend and pickup (20) 4' fiberglass poles that stack together to form a mast. I attached my 21' Black Widow fishing pole on top of a 20' stacked together fiberglass mast. I hung a 41' aluminum

wire down the inside of the mast. After a little matching of some kind
...It's a 5/8 w1 on 40 and a 1/2 w1 on 20m!!!!

I can't believe how quickly it went up! It'll be great for portable work!
Using just 3 guy ropes till I can fine tune the setup.

I'm thinking of raising it another 2 sections or 8' so as to have an
elevated ground plane. What are "tuned radials"? Are they just cut to a
measurement? Or are they pruned via measuring the swr? Also if your using an
elevated GP then what is reasonable # of radials?

...it's a kick to see how many was you make wire radiate.

Steve/n0tu

Date: Wed, 24 Nov 1999 19:41:38 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [56711] WA3WSJ/C6A/QRP Alert
Message-ID: <00ff01bf36dd\$d5bf0040\$a8e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just finished working Ed, WA3WSJ/C6A/QRP on
14060.1 at 00:30 UTC.

I was his 1st QSO from the islands. I made a 2nd QSO
with him with the N3EPA call.

If you can't hear him now, check 80 meters later.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

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http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1 NJ QRP #179
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ARS # 380 HI-QRP #153
VA QRP Society

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Date: 24 Nov 1999 18:43:16 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [56712] ANTS. Gap Titan answer
Message-ID: <n1268653454.77029@msmailgw1.arlut.utexas.edu>

Mine has been the best vertical I have seen, among a: Hy Gain 18 AVT, Butternut 5 band, Cushcraft R5, & R7, that I have had some experience using at a variety of home and FD locations.

Generally in this area we have poor RF ground, thus the elevated asymmetrical vertical dipole, which is technically the Gap design, is superior to ground mounted quarter wave antennas, like the Butternut, the Hy Gain; or the elevated R series, with their abbreviated radial set up, (which mainly is for decoupling RF from the coax.)

The Titan has a full quarter wave wheel counterpoise on 40m, which appears to decouple the dipole from earth losses, on the upper bands. Anyway, it gave better signals than the other verticals, lower noise, and good DX at QRP or 50 watts, or 100. Lots of good reports, even under fading band conditions. My main DX bands have been 40m and 20M, just not on much to check out others, especially in lower sunspot times.

The lower noise stems from the feed coax going up inside the tubing to feed the split in the dipole, and could be added to any vertical, if you had a length of pipe and elevated the vertical. The principle there is "waveguide beyond cut off" in the RFI world.

LB had the best observation, keep the dipole, for sometimes it will be better, and for some signals the elevated Titan would be better. That is the reason, I also made a G5RV/K5KVH.

72, Stuart K5KVH

Austin TX

Date: Wed, 24 Nov 1999 19:49:15 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>, ". Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>
Subject: [56713] Re: WA3WSJ/C6A/QRP Alert
Message-ID: <011901bf36de\$e6b7ad60\$a8e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

He is using the K2 rig.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

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http://www.kpsnet.com/wb3aal/Start_Page.htm
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ARS # 380	HI-QRP #153
VA QRP Society	

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<http://setiathome.ssl.berkeley.edu>
100 + Work Units Completed

Date: Wed, 24 Nov 1999 19:08:27 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <n0tu@webaccess.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [56714] Re: Tuned Radials?
Message-ID: <001d01bf36e1\$954f31c0\$05987b7b@CSS0048.bergenbrunswick.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The answers to your questions are: Yes. Yes. And Who Knows! Kidding here....

Really, They should be cut to formula initially. They will likely need further pruning. Especially if the antenna is multi-band. The physical proximity of one band's radials to another can cause some detuning. Horizontal and even vertical alignment can affect tuning (resonance) and certainly feed point impedance. If the antenna is a single bander, it makes it easier. Bands don't interference with each other then.

It really helps if you have an antenna analyzer, such as the MFJ-259.

As for as the number of radials, generally 4 (per band) are good. The lower the antenna is toward physical ground, the more radials will be needed to overcome ground losses.

Dan W. Dooley WB5TKA Y2K Complacent
e-mail to: dandoooley@pipeline.com
Si Hoc Legere Scis Nimium Eruditionis Habes

>I'm thinking of raising it another 2 sections or 8' so as to have an
>elevated ground plane. What are "tuned radials"? Are they just cut to a
>measurement? Or are they pruned via measuring the swr? Also if your using
an
>elevated GP then what is reasonable # of radials?

Date: Wed, 24 Nov 1999 21:39:25 EST
From: Wa3ptg@aol.com
To: qrp-l@lehigh.edu
Subject: [56715] HB: Dans Silver Mica Caps Summary (Long)
Message-ID: <0.2452281.256dfb5d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Sorry for the delay. Here's a summary of comments about Dan's silver mica capacitors.

I'm a Dan's addict. But buying from Dan's is an adventure and if you want everything pristine, as it would be from Digi-Key or Newark ... Dan's might

not be for you. He sells surplus stuff. Most of it is unused, but some will have clipped leads. If it says "long leads", the part is unused. If it doesn't say, it's probably unused, but you can't be sure.

And mica capacitors ... they come in the old rectangular and in dipped. If it doesn't say specifically it's dipped, it might be rectangular.

[deleted]

Sometimes I look at a part and have to laugh and say, "Oh, man!", but mostly I'm a satisfied customer.

I've gotten a bunch of them, especially when they're on sale. They seem to be fine and not out of tolerance at all. I use them in output filters a lot. Sometimes they have short leads, ready for PCB insertion, but sometimes not...

I've not seen any myself, but I understand they are not what one would expect to get in the current market.

Editorial comment: The current market expects surface mount components!

There have been many complaints about the quality and fit of the parts from Dan's over the years, especially those supplied in his kits. About the only thing to expect is that they will be the right values, but as to form factor and leads and markings, anything seems to be fair.

I have had no problems with them, even though they're surplus parts. I've measured all the ones I've used and they have been within tolerance. I would expect that I'll run into a bad one some day, but so far, so good

I've used them with no problems. Dan has good prices but the components tend to be from older stock. This generally isn't a problem except that sometimes they tend to be a tad on the large size and too large for today's PCB's. As I recall, the silver mics I've used from Dan's are of reasonable size.

Dan's has old style mica caps, they are square with color dots on them. Not the smaller silver micas that we are used to today. Dan's are much too bulky to use in the 2N2/40, I ditched mine for the real thing and do not regret doing so.

They also look quite old, it would be interesting to see if they hold their value these days.

Conclusion

Dan's silver mica caps are just fine. You may find old mica caps in some of the kits, but by now everyone should understand that Dan's kits aren't like Heathkits. They're kits assembled from surplus parts. Remember when ordering from Dan's that they are a surplus outfit, not a Mouser or Allied. I'm placing my order this week.

Thanks to all who participated

WA3PTG

Harry (Hap) Hurst

Wilmington DE

Date: Thu, 25 Nov 1999 02:44:06 +0000
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>, "aj4y@arrl.net" <aj4y@arrl.net>, Fred J Kalt <w2xn@juno.com>, Mac Steinmeyer <macstein@aol.com>
Subject: [56716] FOX 10 DOC k0EVZ
Message-ID: <383CA276.F7CA3776@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wow, what an evening in this FOXHUNT!
Strange, HEAVY rumbling fading in and out over
Doc's frequency this hunt. Doc could not be
heard here in SW Florida for 10 minutes at a stretch.
I was getting worried that I might not bag "de FOX" this evening.

As usual, I could hear many "Pesky Texans" including K5ZTY bag
their pelts. Missouri and OKLA coming in here quite well also.

Doc's signal is building up now (0233 UTC).
It's always interesting to hear the signals from out west of 40 build
up in the east as the sun moves west.

Oh, almost forgot. Feel fortunate to have bagged my pelt at
0227 UTC. A tiny target indeed this evening. Doc was louder
here in Florida during EACH of the previous 9 hunts this season.

Thanks, Doc, for pulling me out of serious MUD this Hunt.
It's a darn shame that conditons on 40 meter are so bad.

I wonder if band conditions are as bad all over?

72/73

Tom, N1TP, Naples, FL. QRP-L 1317.

Date: Wed, 24 Nov 1999 21:44:34 EST
From: K5ln@aol.com
To: qrp-l@lehigh.edu
Subject: [56717] FOX: Great Job Doc!!!
Message-ID: <0.78f375a6.256dfc92@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Thank you for moving frequency. That SSB station was killing me. If you would have not moved, I would of never worked you and got the pelt.

Great Job and hope you are feeling well. Look for you on 20 meters QRP in the mornings.

Tnx,
Bill, K5LN

Date: Wed, 24 Nov 1999 21:41:42 -0500
From: "ai2q" <ai2q@ispchannel.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [56718] Update on HBR-20 receiver Manhattan-style
Message-ID: <000201bf36ee\$9c5696e0\$5c32a7d0@ai2q.ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi folks!

As a follow-on note, I've finished most of the circuitry in my KI6BP-inspired HBR-20 receiver for 20 meters. It works rather well. I use Manhattan style construction (it's quiet), ala the 2N2/40.

Is anyone else out there building one? If you haven't looked at KI6BP's articles, they deserve some attention, methinks. The receiver I put together

uses dual-gate MOSFETs in both mixers, but his later articles use more readily available single-gate J-FETs. The IF uses the Motorola MC1530P, which is a neat chip.

I did cheat in the construction of my HBR-20. My config uses an old Heathkit LMO (linear master oscillator) instead of the homebrewed VFO shown in the original article in Communications Quarterly. I had the critter laying around here for 20 years, so finally decided to use it. I rigged up a 723 voltage regulator and a pass transistor to develop +10 V, and run it off that. I also run the receiver's xtal LO from that regulated source.

The IF uses a brand new 4-pole Ten Tec xtal filter I picked up for 25-cents at the last hamfair (eat yer heart out).

I also used a 3-section ganged variable cap in the front-end, along with individual trimmers, instead of the fixed tuned network Mac Chapman shows in his article. I'm now able to track and tune the entire 20 meter band, peaking up the front-end preselector for whatever frequency I'm listening to. Yesss!

I also lucked out. A friendly product manager at Toko made a call into JA-land, and then FEDXd me two THB111A noise filter/unity-gain amplifiers for the AF strip. KI6BP used these in his original design, but his later articles don't use 'em anymore. They are obsolete and Toko says I got the last two! However, I think there are some parts outfits that have them in stock, but they were priced at about \$20 a pop, which seems too much for me. By the way, the receiver worked FB without the THB111A. I only added the Toko noise filter as an afterthought.

Does anyone have any thoughts or have any circuits for S meters? I'm considering using an op-amp as a high-input-Z buffer, and driving my milliammeter at its low-Z output. Mac uses audio-derived AGC. His circuit uses a 741 op-amp to drive a dual-diode voltage doubler/rectifier. The DC voltage is applied to what looks like a bridge circuit with a FET in one leg. The bridge's output voltage adjusts the gain of the MC1350P. I thought I'd hang the S-meter op-amp off the voltage doubler and see what happens, but if anyone has any nifty circuits I can duplicate, I'd sure appreciate it.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

Date: Wed, 24 Nov 1999 19:11:47 EST
From: kc8aon@juno.com
To: ae2t@arrl.net, qrp-l@Lehigh.EDU
Subject: [56719] Re: [PaQS0] Yaesu FT747GX /747SX QRP mod

Message-ID: <19991124.215012.4479.0.kc8aon@juno.com>

Anyone know of a mod like this for the FT-757GX ? I would be very interested in hearing about it !

72.....kc8aon@juno.com

<ks3y@prodigy.net> writes:

>The 747 chassis has a drive level control on the front panel that
>works in
>CW and AM modes. It is switched out of the circuit in SSB and FM mode
>by
>diode D-99.
>
>To perform the mod, open the rig. Find the crystal filter, and remove
>the
>screw securing the filter board. Lift the board straight up to remove
>it.
>
>Directly below the filter, you will find D-99 on the main board. Snip
>or
>unsolder this diode.
>
>That's it! You'll now be able to reliably control your power from
>100W
>(FT747GX) or 10W(FT747SX...like mine) all the way down to about 30
>milliwatts (the raw driver's output).
>
>Use it with transverters, or work QRP !
>

>
>
>---

>

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Date: Wed, 24 Nov 1999 21:55:55 EST
From: Macstein@aol.com
To: K5ln@aol.com, qrp-1@lehigh.edu
Subject: [56720] Re: FOX: Great Job Doc!!!
Message-ID: <0.4e337899.256dff3b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 11/24/99 9:45:27 PM EST, K5ln@aol.com writes:

>
> Thank you for moving frequency. That SSB station was killing me. If you
> would have not moved, I would of never worked you and got the pelt.
>
> Great Job and hope you are feeling well. Look for you on 20 meters QRP in
> the mornings.
>
> Tnx,
> Bill, K5LN

DITTO - That SSB covered 10 KHZ on both sides of you at first. When you
moved up, you went back to 569-579. Thanks Doc!!! You are one of the BEST!

-MAC-
AF4PS

Date: Wed, 24 Nov 1999 22:01:17 EST
From: Shephed@aol.com
To: qrp-1@lehigh.edu
Subject: [56721] FOX: Got ya Doc!
Message-ID: <0.95c84fdb.256e007d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Great job tonight Doc.
The band here was noisy, but you had a great signal thru it all.

Sorry to goof up when you called me, my ears are just not working well
tonight. (can't think of another good excuse)

Heard a lot of Texan's, and the usual East Coasters, and thanks for moving

up, the SSB was LOUD!

72, 73, oo's

Dan, N8IE Kettering, Oh

FPqrp #-6, QRP-1 #1404, FISTS #4985, Zombie #667

<http://members.aol.com/shephed/n8ie.htm>

Date: Wed, 24 Nov 1999 22:17:47 -0500

From: "Ed Tanton" <n4xy@att.net>

To: <armin@muskoka.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [56722] RE: Diamond CP5 vertical antenna report wanted

Message-ID: <NBBBJDEEIFDDANGEGHLBIEBLHOAA.n4xy@att.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Armin... IF it had 30M I might take a look... but w/o 30M (or other WARC) it has little use here. And correct me if I'm wrong-that's just the impression I recall from the HRO catalog I got the other day.

72 / 73 Ed N4XY email: <n4xy@arrl.net>

webpage: <http://www.qsl.net/n4xy/>

Date: Wed, 24 Nov 1999 22:26:02 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: QRP-L Discussion Group <QRP-L@Lehigh.edu>

Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>

Subject: [56723] K0EVZ FOX--Tks All, Log Tomorrow

Message-ID: <199911242228_MC2-8E88-2293@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain;

charset=us-ascii

Content-Disposition: inline

Gang:

Well, it was a great time, but the QRM was horrendous, especially at the end. Did my best, but just couldn't pull everyone out. Sure sorry if I missed *you*. Had to QSY 3x, yet QRM soon came anyway. Thanks to all for chasing me to the new frequency.

Looks like 83 total QSO's, if they all check out. Will try to post my log to QRP-L tomorrow ASAP.

Setup was the K2 at 5 watts to either the IAC Double Bazooka or the 540' horizontal loop. Most of the time it was the bazooka, but I did try the loop for about 20 QSO's, beginning at 0153.

LOOP--worked a couple of afternoons to string up the loop. The trouble was that it kept hanging up in bushes, so it is really not really installed well. Tough to install antennas using only one arm. So it is loop which droops. Hope to really get it in action over this weekend, though. Even incompletely installed, it seemed to work fairly well.

Thanks, everyone for toughing it out with me tonight. I believe conditions were exceptional, but QRM made it an adventure (sic!).

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

K0EVZ@arrl.net

Date: Wed, 24 Nov 1999 22:45:03 -0500
From: "Paul Helbert, Wv3j" <phelbert@rica.net>
To: qrp-l@Lehigh.EDU
Subject: [56724] Dayton rooms?
Message-ID: <383CB0BF.3E28014C@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gangue,

I'm recovering from a bad confuser crash in which I lost all my e-mail addresses, and old messages. Also due to time constraints I now subscribe to the digest and don't get it read it much of the time.

Please forward me any info about rooms for Dayton in 2000.

Thanks,

Paul, Wv3j

Date: Wed, 24 Nov 1999 22:46:40 -0500
From: Brian Murrey <brian@iquest.net>
To: 70511.3041@compuserve.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56725] Re: K0EVZ FOX--Tks All, Log Tomorrow
Message-ID: <383CB120.D7FAAAC4@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Doc...i only wish I was half as good as you. Sorry about tryin gto chime in with a report when it wasn't my turn. I SWEAR I heard my call about 02:30 but I didn't. Auditory hallucinations!

I did manage to bag the foxy one after a QSY at about 02:53, thanks a million for digging me out of the Indiana dirt.

The QRM, QRN, and SS SSB was ever the challenge tonight. Later on I worked a guy in ND on SSB during the Century Club Net and all I got out of him was a 33...was 59 the other night though...but Oregon and BC was rolling in here at 59!

Thanks again Doc, you're one of my QRP heros around here. Last year as NT fox was the best training ever. Thanks for coaxing me into it.

72 de KB9BVN

"Wilford D. Lindsey" wrote:

>
> Gang:
>
> Well, it was a great time, but the QRM was horrendous, especially at the
> end. Did my best, but just couldn't pull everyone out. Sure sorry if I
> missed *you*. Had to QSY 3x, yet QRM soon came anyway. Thanks to all for
> chasing me to the new frequency.
>
> Looks like 83 total QSO's, if they all check out. Will try to post my log
> to QRP-L tomorrow ASAP.
>
> Setup was the K2 at 5 watts to either the IAC Double Bazooka or the 540'
> horizontal loop. Most of the time it was the bazooka, but I did try the
> loop for about 20 QSO's, beginning at 0153.
>
> LOOP--worked a couple of afternoons to string up the loop. The trouble was
> that it kept hanging up in bushes, so it is really not really installed

> well. Tough to install antennas using only one arm. So it is loop which
> droops. Hope to really get it in action over this weekend, though. Even
> incompletely installed, it seemed to work fairly well.
>
> Thanks, everyone for toughing it out with me tonight. I believe conditions
> were exceptional, but QRM made it an adventure (sic!).
>
> 72,
> --Doc Lindsey/K0EVZ
> DSBF
> PO BOX 6028
> Bismarck, ND 58506
> K0EVZ@arrl.net

--

```
=====
KB9BVN -NORCAL #2792 FISTS #5695 QRP-L #1540
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Proud to be a member of the American Radio Relay League
Foxhunting Team UNDERDOG - Underdog #4
FISTS Century Club #764 - FISTS QRP Century Club #24
=====
```

Date: Wed, 24 Nov 1999 20:52:27 -0700
From: Lou Martin <lmartin@uswest.net>
To: qrp-l@lehigh.edu
Subject: [56726] Index Labs QRP+
Message-ID: <383CB27A.47AE415D@c1sp.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,

I just picked up a QRP+ (I think it's a +) at a hamfest last Saturday. Although the seller did not have the manual, I brought it home and was able to figure out most of the functions to get it on the air. I managed to make 10 SSB Sweepstakes QSOs on Sunday (scattered between 10, 15, 20 and 40 meters), and several 40 meter CW QSOs with my old Lionel bug. Since I've never before had a keyer, I'm now working on my NORCAL paddle kit.

So far my search for reviews/specs/comments on this rig on the WWW have been fruitless. If anyone still has any type of information on the QRP+ I would really appreciate copies. When did this rig first hit the

market, and how much did it cost?

The QRP SSB calling frequencies have been programmed into memory with the goal of making some 2-way QRP contacts.

72, LOU
KC0BBE
Monument, CO

Date: Wed, 24 Nov 1999 23:10:22 -0500
From: "Ed Tanton" <n4xy@att.net>
To: <osier@northnet.org>
Cc: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Subject: [56727] RE: QRP operation..... sending "/QRP etc.
Message-ID: <NBBBJDEEIFDDANGEGLBKEBPHOAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Me too! Works like a million \$\$\$, and is-as you said-amusing: probably somewhat entertaining to the guy after hours of "RR 599 GA QSL? K" QSOs!

72 / 73 Ed N4XY email: <n4xy@arrl.net>

webpage: <http://www.qsl.net/n4xy/>

Date: Wed, 24 Nov 1999 22:22:23 -0600
From: k5zty@juno.com
To: dandoooley@pipeline.com
Cc: qrp-l@Lehigh.EDU
Subject: [56728] Re: To QRP or Not to QRP
Message-ID: <19991124.222237.-307.4.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Dan,

There is more to weak signals than power. Weak signals are caused more times by propagation and band conditions than power output. Receiving is always the key part of ham radio operating and ops don't have to listen any harder for a weak 5 watt signal than they do for a weak 100 watt signal or a weak 1000 watt signal. So don't fall for that poor me baloney from some disgrundled QRO op who doesn't like QRP. I read that letter in QST also and wondered why they printed it. It was just one disgrundled hams complaint.

Bill, K5ZTY
Houston, TX
k5zty@juno.com

Date: Wed, 24 Nov 1999 22:20:52 -0600
From: k5zty@juno.com
To: k7sz@epix.net
Cc: qrp-l@Lehigh.EDU
Subject: [56729] Re: QST QRP Column
Message-ID: <19991124.222237.-307.2.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Rich ,

Congratulations on becoming the first QRP columnist for QST. It's really good to know that the QRP group is going to get some coverage like the Packeteers, VHFers, Net Ops, Satellite ops, Contesters, DXers and YLs do.

I know that you will do a great job of the column the same as you do on your books. I don't know what all brought this turn of events about but I'm sure you were instrumental in coaxing the editors to include QRP and I'm sure that Ed Hare also had a hand in it as he has been very supportive here on this list.

Thank you for all of your efforts past and future.

Bill, K5ZTY
Houston, TX

Date: Wed, 24 Nov 1999 22:21:33 -0600
From: k5zty@juno.com
To: qrp-l@Lehigh.EDU
Subject: [56730] Re: To QRP or Not to QRP

Message-ID: <19991124.222237.-307.3.k5zty@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Dearest Gangu,

Will somebody please explain to me what the difference is between a weak 5 watt signal and a weak 100 watt signal?? The burden is always to receive. That's why transceivers are sold by their receiver ratings not their output power. That letter in QST was from some disgrundled QRO op that got skunked in a pile up by a QRP op.

Bill, K5ZTY

Houston, TX

k5zty@juno.com

On Wed, 24 Nov 1999 10:51:38 -0600 Karl Kanalz <KKanalz@excel.com> writes:

> There's no doubt that most of the "QRP burden" is placed on the
> receiving
> operator (due to "weak signal reception") when the sending station
> is using
> low power, Dan, so in that respect, I agree with the writer of that
> letter
> to QST (in fact, I think I saw that letter myself some years ago).

Date: Wed, 24 Nov 1999 23:47:13 -0500

From: Pete Burbank <plburbank@kih.net>

To: <qrp-1@Lehigh.EDU>

Subject: [56731] Re: K0EVZ FOX--Tks All, Log Tomorrow

Message-ID: <3.0.32.19991124234709.0068589c@kih.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Thanks Doc,

Great job and lots of fun. After the early contact I just listened to all the CW music. You were 599 at times here in the Bluegrass despite the incredible SSB QRM from SA I think.

I wish I lived closeby to give you a hand with that loop as I enjoy putting up antennas....especially in the snow...HI!

It was interesting in that I could hear so many strong signals from all over including Mary, NA6E, the usual pesky Texans, and several Canada stations (Earl-EWM and Paul -CQK). And of course Tom N1TP who is always in there and lots of 7s.

Happy Thanksgiving!

73 Pete NV4V

Date: Wed, 24 Nov 1999 23:53:38 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [56732] RE: QST QRP Column
Message-ID: <383CC0D2.5A04C9B7@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is really great news. The entire QRP community should be doing the HAPPY DANCE. We are finally getting the recognition our aspect of the hobby deserves. And we would be hard pressed to find a better representative than K7SZ. Congratulations Rich. I hope it is a long a happy association.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Wed, 24 Nov 1999 23:54:42 -0500
From: jmarran@juno.com
To: QRP-L@LEHIGH.EDU
Subject: [56733] QRPp CW tomorrow.....
Message-ID: <19991124.235443.-77473.0.JMARRAN@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Greetings all....

In years past, I've noticed MANY special events that are planned, or take place on Thanksgiving Day. I think that the 5 mW beacon is a GREAT idea..if not for operating , but to test your own set-up's capability. With that, it gave me the inclination to whip out my own homebrew 0-330 mW "mini-marvel". Hope to see you on 40 meters...and please-Have a Safe and Blessed Thanksgiving Day.

Peace to all....

John Marranca, Jr KB2HSH/AAT2AS
Buffalo New York
Support Amsat Phase 3D.....the future of Amateur Radio

Date: Wed, 24 Nov 1999 21:02:57 PST
From: Roger Traylor <traylor@ECE.ORST.EDU>
To: qrp-1@lehigh.edu
Subject: [56734] 20m HOT!
Message-ID: <199911250502.VAA29254@tongu.ECE.ORST.EDU>

Gang,
At about 0400GMT 14.030 +/- 10khz, heard:
4K9C
JA7AMK
OH1MAU
DS5USH
UA9MA
RA9CCK
RA9ADK
UA9AGM

Didn't work any of them, but I tried.
Anybody else with better luck?

Roger Traylor
WB4TPW

Date: Thu, 25 Nov 1999 00:07:19 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [56735] RE: To QRP or Not to QRP
Message-ID: <383CC407.A913E1C6@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, it seems that an effective qrp operator should never discount the skill and effort of the station on the other end of the contact regardless of if they are qrp or qro. A good example for me was a contact I made during SS last weekend. I worked NH7A in Hawaii on 10. I never would have made the QSO if he hadn't been patient with me, listening to my repeats and asking for fills instead of just blowing me

off in favor of the many more powerful and equally point valued folks calling him. You can be sure that my QSL card to him is going to include some specisl words about his sticking with me to get the job done. Of course, as QRPers we take pride in our ability to get out with very power, but it does take two to make a valid contact and we always need to express positive regard for those often excelent ears on the other end of things.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website http://members.home.net/tjarey

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Thu, 25 Nov 1999 00:03:01 -0500
From: wa8rxi@juno.com
To: cgreene@loa.com
Cc: qrp-1@Lehigh.EDU
Subject: [56736] Re: of coax and tuners
Message-ID: <19991125.051109.-123159.1.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,
Been using RG-213 for years.
I've have 3 runs, one to my 3 EL Tribander, one that's laying on the ground against the house that runs to a 160/80M Inverted-L.
And the other to a 4 EL 2 Meter antenna.
These have been giving me good service since 1989.

Initially I had 9913 to the Tribander and the first summer, the dielectric melted causing the braid to short the center conductor...Oh well !!

72, Rick - WA8RXI
Taylor, MI.

Vanity Call on QRZ.COM = N8XI but no Ticket from FCC yet

=====
On Wed, 24 Nov 1999 08:27:14 -0500 Charles Greene <cgreene@loa.com> writes:

> At 09:29 PM 11/23/99 -0600, Dan W. Dooley wrote:
>
> Several years ago I had a vertical antenna about 50' from
> the house. I had a length of RG8 coax buried to feed it. I noticed

>
> For the next vertical I used RG-213 and snaked it through a PVC
> pipe. That was about 15 years ago. Measurements at the
> antenna this summer showed I was not losing any more power
> than you would expect from a new coax.

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Date: Thu, 25 Nov 1999 05:19:12 -0000
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <phelbert@rica.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [56737] Re: Dayton rooms?
Message-ID: <01c301bf3704\$a4ef3440\$d242b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, before I get real crazy and lock in a room for Dayton 2000, has
anyone seen a Dayton 2000 wx report? Inquiring minds want to know.
de Steve, W8SFF (not whining, only inquiring!)

Date: Wed, 24 Nov 1999 21:47:24 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56738] Re: K0EVZ FOX--Tks All, Log Tomorrow
Message-ID: <Pine.GS0.4.10.9911242145090.322-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Doc,

Thanks for the pelt. You sig on the new loop was 579 here
with deep QSP.

Not sure but I think I heard something like some SSB close
by..... :-)

Very good job under far less than "best case" conditions!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....

Date: Thu, 25 Nov 1999 00:57:05 EST
From: DYARNES@aol.com
To: qrp-1@lehigh.edu
Subject: [56739] A Short (as in QRP) Thanksgiving Message
Message-ID: <0.e82cb0e1.256e29b1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi All,

If I may be permitted a brief moment of seriousness-- I was just thinking
about Thanksgiving. Once in a while I DO actually stop to think about the
things I should be grateful for. I know I should do it much more often, but
I don't. Anyway, of importance here is that I am feeling especially grateful
right now for friends like Doug Hendricks. There are several of you out
there, but I am thinking right now especially of Doug, and how grateful I am
that he is recovering from what very well could have been a fatal episode.

When I think of how consumed I have been with this QRP stuff, particularly
these last few years, and what an important part of that Doug and Jim and
some others have been to all that enjoyment, I think it's good to reflect at
least a bit on all my good fortune and who made it possible.

Enough said I guess. Hope you don't mind. Happy Thanksgiving to all of you
fine folks out there.

72 de Dave W7AQK

Date: Wed, 24 Nov 1999 22:05:44 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [56740] Re: To QRP or Not to QRP
Message-ID: <Pine.GS0.4.10.9911242152080.322-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Sounds to me like too many people are too worried about how others feel!

There are times I really enjoy digging a weak sig out of the mud. It's just another one of the many challenges that this hobby gives us.

But.....there are other times when I just don't feel like playing with weak sig's and hunt for a loud one! I might add that I also look for someone that is sending CW that sounds "good" to me and that is in a speed range I'm in the mood for!

It's been said that weak sig's don't only come from QRP stations and that's very true. But most people just don't stop to think about that.

I have watched guys doing weak sig EME work and thought they would make great QRPers!

One of the things I'm starting to think about is that the ones that only operate one way are the ones who are really missing out on much of what ham radio has to offer.

QRP, QRO, ragchewing, contesting, CW, SSB (almost makes me upchuck to say that!), HF, VHF, UHF and on and on.....that's what we really should be doing! Have the most fun that we can have!

Lets see.....the NCJ column is off to the ARRL and the article for the QQ is off to Mary.....Fox has been workedkids are still on the road.....HMMMMM, time to catch up on the stack of QSL cards!

OK, back in my hole.....

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....

Date: Wed, 24 Nov 1999 22:06:31 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56741] Re: K0EVZ FOX--Tks All, Log Tomorrow
Message-ID: <Pine.GS0.4.10.9911242206040.322-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 24 Nov 1999, Monte Stark wrote:

> Hi Doc,
>
> Thanks for the pelt. You sig on the new loop was 579 here
> with deep QSP.

Opps, lets make that QSB!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....

Date: Wed, 24 Nov 1999 22:09:56 -0800 (PST)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56742] Re: A Short (as in QRP) Thanksgiving Message
Message-ID: <Pine.GS0.4.10.9911242208310.322-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 25 Nov 1999 DYARNES@aol.com wrote:

> right now for friends like Doug Hendricks.

Well said Dave,

And there will be a little something said at our table for
Doug and his family.

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu....Washoe Lake, Nevada....NRA LIFE....

Date: Thu, 25 Nov 1999 15:03:50 +0800
From: "Sly (9M8SL)" <cqsly@tm.net.my>
To: DYARNES@aol.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [56743] Re: A Short (as in QRP) Thanksgiving Message
Message-ID: <19991125070350.BGBZ3007@user>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:57 AM 11/25/99 EST, you wrote:

>Hi All,
>If I may be permitted a brief moment of seriousness-- I was just thinking
>about Thanksgiving. Once in a while I DO actually stop to think about the
>things I should be grateful for.

Hi Dave and all fellow QRPers,

We don't celebrate ur great American tradition hr, i.e. Thanksgiving !!!
But all the same, X'mas and New Year 2000 is round the corner.
Yes, I for one.. is vy grateful for all the helps, friendships and
encouragements you guys/gals have given to me.
This viva qrp-list really make my day, more like everyday ! Never thought
QRP could be sooooo enjoyable...
Tks agn Gang, and many happy returns for the coming festive season.
My prayers goes to U all, specially those who help made this possible !

72 es Amen,
Sylvester (Sly) Liew, 9M8SL
>From 'The Hidden Paradise of Borneo'

Date: Thu, 25 Nov 1999 03:48:10 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <DYARNES@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [56744] Re: A Short (as in QRP) Thanksgiving Message
Message-ID: <199911251051.DAA10403@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

DITTO Cal KF7ET

> From: DYARNES@aol.com
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: A Short (as in QRP) Thanksgiving Message
> Date: Wednesday, November 24, 1999 10:57 PM
>
> Hi All,
>
> If I may be permitted a brief moment of seriousness-- I was just thinking

> about Thanksgiving. Once in a while I DO actually stop to think about
the
> things I should be grateful for. I know I should do it much more often,
but
> I don't. Anyway, of importance here is that I am feeling especially
grateful
> right now for friends like Doug Hendricks. There are several of you out
> there, but I am thinking right now especially of Doug, and how grateful I
am
> that he is recovering from what very well could have been a fatal
episode.
>
> When I think of how consumed I have been with this QRP stuff,
particularly
> these last few years, and what an important part of that Doug and Jim and

> some others have been to all that enjoyment, I think it's good to reflect
at
> least a bit on all my good fortune and who made it possible.
>
> Enough said I guess. Hope you don't mind. Happy Thanksgiving to all of
you
> fine folks out there.
>
> 72 de Dave W7AQK

Date: Thu, 25 Nov 1999 07:20:43 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

To: Curt Milton <wb8yyy@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [56745] Re: Easy 10 meter quad
Message-ID: <Pine.GS0.4.10.9911250711390.4332-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Curt,

Thanks for the kind words on the PVC quad design--and for the design improvements you made to use it on other bands and to fit your needs.

I have change the site address to <http://www.cebik.com> as a retirement move, and the Tales and Technicals index page is linked from a slightly more general index page.

Perhaps Paul Harden has or can get info, but you are correct: insulated wire has an antenna velocity factor that tends to range from about .95 to .99, depending on the type of insulation and its thickness. However, I have not seen yet a table of common wire/insulation combinations with more exacting numbers attached. As you saw, for any wire antenna, relative to a bare wire version in the same wire size, insulation will create the need for shortening physically. The key, however, is not to confuse transmission line velocity factor--which can run as low as .66 in some coax--with antenna wire velocity factor. For example, I used some 300-Ohm twinlead with a transmission line velocity factor of about 0.8 as both the elements and the phasing line. The phasing line used the .8 VF, but the elements were between .98 and .99 of bare wire length.

Thanks again for the note on my favorite adult tinker toy: PVC.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	Tel: (423) 938-6335
1434 High Mesa Drive	/	\	\	----	/	---	
Knoxville, Tennessee	/\	\	\	/	/		http://www.cebik.com
37938-4443 USA	/	\	\				e-mail: cebik@utk.edu

Date: Thu, 25 Nov 1999 07:21:19 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-1@Lehigh.EDU>

Subject: [56746] WA3WSJ/C6A DXpedition Update
Message-ID: <003b01bf373f\$949f5300\$10e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Everyone & Happy Thanksgiving.

Check out the EPA QRP Web Page for the latest on
Ed's DXpedition to Abaco Island, C6A.

Click on DX Alert.
http://www.kpsnet.com/wb3aal/Start_Page.htm

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI-QRP #153
VA QRP Society	

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>
100 + Work Units Completed

Date: Thu, 25 Nov 1999 13:03:58 -0500
From: patrick m kvitkauskas <pmk@juno.com>
To: qrp-l@lehigh.EDU
Subject: [56747] Ferrite Toroid ID ? To mark or not to mark ?
Message-ID: <19991125.130359.10302.0.pmk@juno.com>

Has anyone ever tried marking ferrite toroid's ???

I have noticed that 43 is a popular mix but I have some 61's and marked them with a white paint pen. I just put a dot on the outer edge and took my trusty HB scribe (which I mark everything with) being careful not to scratch the toroid.

I plan on removing the paint before winding it but was wondering if what little paint added would mess up the inductance ??? I thought about using colored dots but that would be more paint to remove.

If the paint would not bother to much wouldn't it be a nice idea to do even 2 smaller dots? For instance blue and brown dot's would equal a 61 mix.

I have a bag of about 100 or so and haven't had any time to wind them and see what they are but if I ever do get around to checking them it would be nice to mark them.

72 es Happy Thanksgiving
Patrick KD4OBQ

AR
send replies to
pmk@juno.com for faster service (checked twice daily)
pmk@bellsouth.net to send pictures
<http://www.qsl.net/kd4obq/> QRP site
<http://homestead.juno.com/pmk/FILES/INDEX.HTM> R/C soaring site

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 25 Nov 1999 07:25:14 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Tom Palmer <n1tp@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [56748] Re: FOX 10 DOC k0EVZ
Message-ID: <Pine.LNX.3.95.991125071750.3302A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 25 Nov 1999, Tom Palmer wrote:

> I wonder if band conditions are as bad all over?

>

....I got home at about 0200Z, turned the rig on and found Doc POUNDING in at a true 599 on my S meter even though I gave him a 559 before I checked the meter.....I have NEVER had a fox do that in all these years of hunting....the qrm problem to work through was the SSB signals on the freq as well....so there was a challenge...the other hunters weren't there as a pileup but just a couple of signals heard type of thing....Doc was doing a really good job of picking a signal out and his pace was nice...an amazing result for me as I figured I wouldn't get home in time for any of the hunt or Doc's signal, being so close, would skip over my location....but then this is a perfect example of why one shouldn't "assume" because 'ol Mother Propagation "makes the mix" every time!....72 - Bruce(VE5RC+VE5QRP)

Date: Thu, 25 Nov 1999 05:30:57 -0800
From: "William Phinizy" <k6whp@gte.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [56749] RTTY/CW PC Interface Recommendations?
Message-ID: <000701bf3749\$4f47a960\$3fac173f@k6whp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Can anyone recommend a good PC interface for QRP CW or RTTY? Favorite software, hardware, etc. I stumbled onto an old 386/25 MHz laptop that runs nicely on 12 VDC and..well..I thought I'd give QRP RTTY a try.

72 es tnx,

Bill K6WHP

Date: Thu, 25 Nov 1999 09:03:12 EST
From: K4NK@aol.com
To: qrp-l@lehigh.edu
Subject: [56750] Beacon Heard
Message-ID: <0.8d8b5d37.256e9ba0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Good Morning QRPers;

The WQ4RP/B beacon is now audible from South Carolina . It is on 7.004
....see if you can hear it ...but don't let out the secret word.

Thanks to paul AA4XX for the beacon.

Happy Turkey Day....72 Les Shattuck K4NK

Date: Thu, 25 Nov 1999 09:11:14 -0500
From: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [56751] Re: Beacon Heard
Message-ID: <001c01bf374e\$ef4d71b0\$0102030a@amd300>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Also in NE suburbs of Cincinnati.
RST 219 with QSB
Rig is K2
Antenna are dual phased verticals for 40
Secret word is "far away" :)

73 - Dieter (DIZ) Gentzow - WB8QYY "oo's"
Loveland, Ohio - NE suburb of Cincinnati
FPqrp#1 QRP-L#1998 10-X#9389 CATT#26 K2#493
<http://w3.one.net/~gentzow/wb8qyy.htm>

-----Original Message-----

From: K4NK@aol.com <K4NK@aol.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, November 25, 1999 9:04 AM
Subject: Beacon Heard

>Good Morning QRPers;
> The WQ4RP/B beacon is now audible from South Carolina . It is on 7.004
>....see if you can hear it ...but don't let out the secret word.
> Thanks to paul AA4XX for the beacon.
>
> Happy Turkey Day....72 Les Shattuck K4NK
>

Date: Thu, 25 Nov 1999 09:12:41 -0500
From: "Charlie Fitts" <cfitts@neca.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [56752] Re: Beacon Heard
Message-ID: <199911251415.JAA28237@orion.neca.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Got the WQ4RP beacon here in eastern CT also. RST abt 219.

Charlie Fitts, N1EI

Date: Thu, 25 Nov 1999 09:28:33 -0500
From: Paul Stroud <aa4xx@ipass.net>
To: Francis Flynn <fflynn@together.net>
Cc: QRP-L <QRP-L@lehigh.edu>, klqrp <klqrp@waterw.com>
Subject: [56753] Re: knightlight beacon.. where??
Message-ID: <383D4791.34CE6962@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Francis Flynn wrote:

>
> I'll listen for the beacon. I was wondering where the transmitter is
> though!
>
> 73 Km1z

Thanks,

The beacon is located abt 14 miles south of Raleigh, NC. It is now
singing with 5 mW on 7004.0 KHz under the callsign WQ4RP.
72 es GL, Paul AA4XX

Date: Thu, 25 Nov 1999 07:53:52 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: ctrask@primenet.com, qrp-1@lehigh.edu, glowbugs@piobaire.mines.uidaho.edu
Subject: [56754] Re: GB> Lafayette HE-63 Communications Receiver
Message-ID: <199911251453.HAA04677@rgfn.epcc.edu>

Chris, I checked the hi-manual catalog site and it goes from HE-61, he62 skips to HE-73. Also checked the k4xl site but nothing. They are located at:
<http://www.hi-manuals.com> (manuals 30's thru 80's)

<http://bama.sbc.edu/>

As a sidenote, when I had boatanchor stuff, I dealt a lot with Hi-Manuals and the service was very prompt and quality of manuals excellent.

73

Ray

--

Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Thu, 25 Nov 1999 09:57:22 -0500
From: Paul Stroud <aa4xx@ipass.net>
To: QRP-L <QRP-L@lehigh.edu>, klqrp <klqrp@waterw.com>
Subject: [56755] 40M QRPP Beacon early reports
Message-ID: <383D4E52.46CC109C@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

I intentionally kept the beacon on the dummy load until almost 9AM EST to limit any potential QRm with the DX'ers.

As soon as the beacon was switched over to the wirebeam, several QRP'ers jumped on top of it. Congratulations to the following three operators who have sent in reception reports confirming the codeword:

Charlie	N1EI	CT	219	40M Delta Loop firing S/W
Dieter	WB8QYY	OH	219	40M Phased Vertical Array
Rich	WB4VFN	KY	339	Mountaintop Windom with 500' LL feedline

The beacon transmitter is an FT-757 GX, feeding a long transmission line out to my horse pasture. The antenna is a two element inverted vee array--on a N/S axis--strung between two tall oak trees. The apex

height of the elements can be readily changed +/- 25 feet to optimize the TOA up and down the East Coast. Presently, the apex height is 50 feet, which favors MD,PA, OH, NY, NJ, and ON. The inverted vees are being fed 90 degrees out of phase with an input power of 4 mW.

My QTH is 14 miles due south of Raleigh, NC.

Please keep those reports coming. 72, Paul AA4XX

Date: Thu, 25 Nov 1999 09:58:57 EST
From: kc8aon@juno.com
To: qrp-1@Lehigh.EDU
Subject: [56756] Where ?
Message-ID: <19991125.095917.4479.1.kc8aon@juno.com>

I know this is not QRP related, but out of all the databases, none have a current address for him ! Does anyone know where Glen Russell - N2CMU is located ? Maybe around the Watertown, NY or Carthage, NY area ? An old friend is trying to contact him and this is one way I thought I could help. Glen, are you out there ? Please email me direct to the address below to keep this off the list.

Thanks & sorry for the use of the bandwidth.
72.....kc8aon@juno.com
Rick Willow Wood, Ohio <><

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Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 25 Nov 1999 09:47:39 EST
From: kc8aon@juno.com
To: k6whp@gte.net, qrp-1@Lehigh.EDU
Subject: [56757] Re: RTTY/CW PC Interface Recommendations?
Message-ID: <19991125.095917.4479.0.kc8aon@juno.com>

If you want something small, try the BayPac BP-2M Multimode controller and the Hamcom software. I use the BP-2M and think it is great for the price ! This little thing will do packet (both VHF and HF), RTTY, AMTOR FEC & ARQ, CW, SSTV, WEFAX and a few others. You could also build the Hamcom interface (schematic included on the software), it will do all the modes above except packet. It is a very simple interface to build and you can get all the parts at Radio Shack. I should add, to work the

Bob 72/73

/ |21 \ email, w4ed@amsat.org
- /__ |____\ http://www.qsl.net/w4ed
 \-===*===--/] near Atlanta, GA EM73wt
~~~~~

-----  
Date: Thu, 25 Nov 1999 08:26:20 -0700  
From: Ray Colbert <af852@rgfn.epcc.edu>  
To: aa4xx@ipass.net  
Subject: [56759] Re: 40M QRPP Beacon early reports  
Message-ID: <383D551C.DDBDB780@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I tried to hear the beacon here but unfortunately my S9 +20  
noise level (with noise blanker activated) just won't let the  
signal penetrate this far. Maybe later.

73  
Ray  
--

"Politicians are like nappies. Both should be  
changed regularly -- and for the same reason"  
"Scotsman - Scotsman's Diary 12/97"  
-----

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2  
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS  
-----

Date: Thu, 25 Nov 1999 15:32:36 GMT  
From: "Richard Arland" <r\_arland@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [56760] Thanksgiving  
Message-ID: <19991125153237.85248.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Gang:

Here's wishing everyone on this list a Happy Thanksgiving.

Things I'm thankful for:

1. an uneventful 800 mile drive to celebrate this holiday with friends and  
family in the Atlanta area.

2. a wonderful family, loving wife, kids and grandkids.
3. a great job with the potential to "make a difference" in peoples lives.
4. a new column in QST where WE can spread the Gospel of QRP.
5. the "talent on loan from God" that allows me to do what I do.

73 es God Bless

Rich K7SZ

-----  
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-----  
Date: Thu, 25 Nov 1999 15:40:21 GMT  
From: "Richard Arland" <r\_arland@hotmail.com>  
To: k5zty@juno.com, qrp-1@Lehigh.EDU  
Subject: [56761] Re: QST QRP Column  
Message-ID: <19991125154021.56704.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>From: k5zty@juno.com  
>Rich ,  
>  
>Congratulations on becoming the first QRP columnist for QST. It's really  
>good to know that the QRP group is going to get some coverage like the  
>Packeteers, VHFers, Net Ops, Satellite ops, Contesters, DXers and YLs do.  
> I know that you will do a great job of the column the same as you do on  
>your books. I don't know what all brought this turn of events about but  
>I'm sure you were instrumental in coaxing the editors to include QRP and  
>I'm sure that Ed Hare also had a hand in it as he has been very  
>supportive here on this list.  
>Thank you for all of your efforts past and future.  
>  
>Bill, K5ZTY  
>Houston, TX

Hi Bill and thanks for the kind words.

I had a little do do with the new column, but the lion's share of the behind

the scenes work was done by Ed Hare, W1RFI. Ed worked overtime gathering facts and figures to present to the powers that be at QST to convince them that a QRP column would be beneficial.

The common formula for pages of text in magazines is: one page of advertising for each page of text. This means, if they decide to add a one or two page column (whether it is QRP or something else) there must be the appropriate pages of advertising available to generate the revenue needed to offset the increased production costs.

Ed did the homework and put it all together and, thankfully, it made sense to the QST staff.

One thing I cannot overstress is that I am only the cruise director here. It is YOUR column and I need YOUR support, comments and ideas to keep things fresh and interesting. While the overall focus of the column is toward the beginning QRPer (or someone who's never tried QRP but might be interested), I do need feedback from the QRP OTs.

73 es have a great Thanksgiving

Rich K7SZ

-----  
Get Your Private, Free Email at <http://www.hotmail.com>

-----  
Date: Thu, 25 Nov 1999 09:49:05 -0600  
From: "Nick Kennedy" <nkennedy@cswnet.com>  
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [56762] Re: To QRP or Not to QRP  
Message-ID: <001b01bf375c\$9ada9b40\$0500000a@Bleh.Bleh>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

>There are times I really enjoy digging a weak sig out of the  
>mud. It's just another one of the many challenges that this  
>hobby gives us.  
>  
>But.....there are other times when I just don't feel like  
>playing with weak sig's and hunt for a loud one!

As usual, Ron comes through as the voice of reason. I'll add that when I have to worry about who's doing the work and who gets the credit--maybe it's time to try a different hobby for a while.

The one thing I don't want to see is for QRPers to develop a bunker mentality. Us against the world. It doesn't have to be that way, and in fact it's not.

72,

Nick, WA5BDU  
in Arkansas  
(I give you full credit for reading this.)

-----  
Date: Thu, 25 Nov 1999 11:13:06 -0500  
From: "Ed Tanton" <n4xy@att.net>  
To: <pmk@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [56763] RE: Ferrite Toroid ID ? To mark or not to mark ?  
Message-ID: <NBBBJDEEIFDDANGEGHLBCEDDHOAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Why not use a Sharpie (Permanent) Marker, Patrick? You could use that white paint on the dark ones first. I'm just leary of using the scribe on them since "scoring" them would potentially allow a fracture.

72 / 73 Ed N4XY email: <n4xy@arrl.net>

webpage: <http://www.qsl.net/n4xy/>

-----  
Date: Thu, 25 Nov 1999 11:49:18 -0500  
From: hamjoel@juno.com  
To: qrp-l@lehigh.edu  
Subject: [56764] MY Cajun MaMa & qrp Power  
Message-ID: <19991125.114924.-299753.0.hamjoel@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hi Y'all once moe

Well, my cajun mama looked up the fcc ruling on power ... and she said, it said that one must use the minimun xmtr power necessary to carry out

the "desired" communication.....

so this kinda leaves one open to using a kw or micro-watt depending on the communication "desired".

Mama also laughed at me cause I get upset when people assume qrp means weak signal.... weak signal means u got bad band conditions or a bum ant... so use more power or call someone else... or put up a decent ant...if u can.... sometimes restrictions won't let u put up a good ant...

My cajun Mama also said that if the fool on the other end is gonna give u a readability 5 or 4 signal report then complain about ur qrp level... he/she an't worth being aligator bait...

iffin u r putting out a good signal the person on the other end is gonna hear u fine, iffin u an't then u gonna strain the receiving station .... and one way or the other it's mostly antenna, (and band cond) not power...

Joel KE1LA  
In Maine

---

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---

Date: Thu, 25 Nov 1999 11:54:51 EST  
From: Dean W Manley <kh6b@juno.com>  
To: qrp-1@Lehigh.EDU  
Cc: kh6b@juno.com  
Subject: [56765] Re: knightlight beacon.. where??  
Message-ID: <19991125.065402.5391.2.kh6b@juno.com>

Paul and Group,

I listened for the beacon 0200-0300z.

NIL. However, conditions were pretty good  
with several stations calling DX.

Aloha,  
Dean KH6B  
Hilo Hawaii

---

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-----  
Date: Thu, 25 Nov 1999 11:54:51 EST  
From: Dean W Manley <kh6b@juno.com>  
To: qrp-1@Lehigh.EDU  
Cc: kh6b@juno.com  
Subject: [56766] Re: K0EVZ FOX--Tks All, Log Tomorrow  
Message-ID: <19991125.065402.5391.1.kh6b@juno.com>

Doc and the Group,

The Fox thing was very interesting. My first. Many stations heard here in Hawaii the first hour. Doc, I finally heard you towards the end of the first hour and most of the second hour. The QRN was building along with signals. The South American SSB QRM made the last 15 to 20 minutes almost impossible on 7044 +/- . Ieven gave a few calls 0240 - 0255z.

0100-0300z is still daylight here in Hawaii. However we may get thru during December and January.

Aloha,  
Dean KH6B

-----  
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-----  
Date: Thu, 25 Nov 1999 12:00:16 -0500  
From: "ai2q" <ai2q@ispchannel.com>  
To: "'Anthony J Colaguori'" <w2gum1@juno.com>  
Cc: "Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>  
Subject: [56767] RE: Update on HBR-20 receiver Manhattan-style  
Message-ID: <000101bf3766\$8cb187e0\$5c32a7d0@ai2q.ispchannel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks for the holiday wishes Tony. You have a good Thanksgiving too.

The article for the HBR-20 appeared in the Winter 1998 issue of Communications Quarterly. Similar (departure) articles appeared in Summer

1998, Spring 1999, and the Fall of 1999. The author has also written articles on using Electronics Workbench to simulate his designs.

Now, what shall I do for an S-meter circuit?

GL es vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: Anthony J Colaguori [mailto:w2gum1@juno.com]

Sent: Thursday, November 25, 1999 9:43 AM

To: ai2q@ispchannel.com

Subject: Re: Update on HBR-20 receiver Manhattan-style

HI ALEX,

Your post regarding the HBR 20 receiver is very interesting. I have wanted to do the same thing. Where was the information published ?

I believe that I have all the necessary parts for the project. I'm not interested in miniturization, just in how good a receiver I can come up with. A good AGC driven S meter is a must ! I'm very much interested in A / B antenna comparison tests.

Have a nice Thanksgiving

Holiday

VY 73 Tony Colaguori

W2GUM.

-----  
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-----  
Date: Thu, 25 Nov 1999 12:08:04 -0500

From: "C. Lamar Derk" <n3at@no1n.com>

To: -Reflector <qrp-l@lehigh.edu>

Subject: [56768] Beacon heard in PA

Message-ID: <383D6CF3.E3731343@no1n.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Just heard WQ4RP/beacon here in the southwestern corner of the Pocono Mountains.



Signal was weak, and lots of QSB, but by continuing to list, I was able to verify that it indeed was coming in with its gigantic 5 mw signal. Time heard - 1625Z. Also heard the word "moon" several times with each transmission. Exciting!! Freq-7004.0

72 de Lamar, N3AT

-----  
Date: Thu, 25 Nov 1999 12:29:20 -0500  
From: Bruce Muscolino <w6toy@erols.com>  
To: qrp-l@lehigh.edu  
Subject: [56769] Beacon  
Message-ID: <383D71F0.7976@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well teh Knightlites beacon was heard here in teh Washington, DC suburbs at 1600Z. It was barely above the noise but I was able to copy the full message. The signal strength was between s .5 and s 1, with moderate QSB on the signal. Thanks and it does show what lowwwwwww power will do!

73

-----  
Date: Thu, 25 Nov 1999 13:28:24 -0500  
From: Howard D Rubin <n3fel@juno.com>  
To: nkennedy@cswnet.com  
Cc: QRP-L@LEHIGH.EDU  
Subject: [56770] Re: Measuring Transistor Beta?  
Message-ID: <19991125.132837.14206.1.n3fel@juno.com>

NICK,

SOME OF MY OFF-THE-CUFF THOUGHTS FOLLOW.

HOWARD, N3FEL

On Mon, 22 Nov 1999 12:30:04 -0600 "Nick Kennedy" <nkennedy@cswnet.com> writes:

>Elmer 99 and a half--

>

>When you guys pick up a box of 1000 transistors for \$5 at a hamfest,  
>how to

>you measure the Hfe or Beta? I'm talking mainly about the high

>frequency

>Beta, so I guess we're also talking about measuring  $F_{sub t}$ .

CHECK INTO THE TRANSISTOR DATA SHEETS. THEY OFTEN INCLUDE TEST CIRCUITS FOR VALIDATING CLAIMS FOR GAIN, ETC. SEARCH FOR A TWENTY YEAR OLD ORANGE COLORED TEXAS INSTRUMENTS OR BROWN COLORED MOTOROLA DATA BOOK ON BIPOLAR TRANSISTORS. TI IS OUT OF THAT BUSINESS NOW, BUT YOU MIGHT FIND A COPY OF THE MOTOROLA SEMICONDUCTOR DATA BOOK LURKING AROUND SOMEWHERE. IF YOU ARE DESPERATE, I CAN MAIL OR FAX YOU A COPY OF A TYPICAL PAGE. PLEASE ADVISE WHICH 2N... NUMBER YOU ARE TRYING TO EMULATE.

>

>I've been trying to make little amplifier stages and infer the beta by  
>measuring input and output and figuring the gain. Of course, most  
>well

>designed amplifiers have gain independent of beta. I thought an amp  
>without  
>feedback (emitter resistor completely bypassed) would have a gain  
>dependent  
>on beta, but not so.

>

USE OF FEEDBACK WILL DECOUPLE THE GAIN OF THE DEVICE FROM THE GAIN OF THE AMPLIFIER. THE GAIN OF THE DEVICE HAS TO BE HIGH ENOUGH, THOUGH.

>Here's what I thought would work: A standard common emitter amplifier  
>with  
>all resistive elements, voltage divider biased to put  $V_c$  at half of  
> $V_{cc}$ .

>Put a resistor in the ground lead of the source (signal generator) to  
>use as  
>a "shunt" to measure base current. It's 1K. Measuring the rf voltage  
>(using a scope) at this resistor divided by 1K gives base current.  
>Measuring rf voltage at the collector and dividing by the resistance  
>of the  
>collector resistor ( $R_c$ ) gives the collector current. Dividing  $I_c$  by  
> $I_b$

>gives AC beta. Problem is I get a pretty low number. Like about 1.5.  
> So,

>since I measured at 1 MHz and beta is  $F_t/F_{opr}$ , my  $F_t$  would be 1.5 Mhz.  
> I'm

>testing a 2N2222 or 2N4401 family transistor, so I think  $F_t$  oughta be  
>in the  
>50 to 150 MHz range.

>

YOU MAY HAVE A BIT MORE CAPACITANCE BYPASSING THE TRANSISTOR JUNCTIONS THAN YOU BARGAINED FOR. ALL POWER GAIN MEASUREMENTS SHOULD BE MADE WITH MATCHED IMPEDANCES AND LOSSLESS CIRCUITS. HOW ABOUT DEVISING A CIRCUIT THAT WOULD OSCILLATE AT THE FREQUENCY OF CHOICE IF THE GAIN OF THE DEVICE WAS APPROPRIATELY HIGH? MAYBE A CIRCUIT THAT WOULD FIND THE HIGHEST

FREQUENCY OF OSCILLATION POSSIBLE FOR A DEVICE UNDER TEST? IT WOULDN'T  
FIND THE GAIN BUT IT WOULD GIVE YOU SENSE OF QUALITY.

>OK, what's the easy way? (Or the way that works?)

>  
>72,  
>  
>Nick, WA5BDU  
>in Arkansas  
>

---

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Date: Thu, 25 Nov 1999 11:37:12 -0700  
From: "James R. Duffey" <jamesd1@flash.net>  
To: Qrp-l@lehigh.edu  
Subject: [56771] Good L Antenna Article in 12/99 QST  
Message-ID: <199911251837.MAA12497@bunyip.flash.net>  
Mime-version: 1.0  
Content-type: text/plain; charset="US-ASCII"  
Content-transfer-encoding: 7bit

All - One of our own QRP-L members, W4RNL, has a nice article on a 10M L antenna in the December 1999 QST. You can think of the L antenna as an inverted VEE rotated so that one leg is vertical and one leg is horizontal. The polarization vector is at 45 degrees, so it will work with those locals and mobiles on vertical polarization. The radiation pattern is fairly omnidirectional.

L.B. offers two plans, one for using those ubiquitous 8 ft CB whips and one for using aluminum tubing. I plan to build one and use it with my HTX-100. It might also make a good portable 10 M antenna.

This should also make a nice 6 M antenna. The vertical component will let you access all the local FM activity, but the horizontal component will let you work out a bit farther on the horizontal component. It should be an ideal antenna for those who have one of those new HF / 6 M rigs and want to have a simple antenna to get acquainted with 6 M.

I was first made aware of the L antenna through Jack Belrose, VE2CV, who called it "The Field Day Special". He used it on the lower bands where, when mounted within a quarter wavelength of the ground, gives both high and low

angles of radiation. Hence it is useful for working those stations in close and some far away as well. As such it is very useful in domestic contests. L.B. credits the invention of the L antenna to VK3AM in the early 50s, so that predates Jack's article I had read. You learn something new everyday. Now where is that Radio Shack Catalog??

If you don't belong to ARRL and receive QST it is worth a trip to the newstand to pick up a copy of the December 1999 QST for this article.

The house is beginning to smell nice and I have a sked with my dad in a half hour. 17 M is very nice these days and we can ragchew with ease and S9 signals. - Thanks - Dr. Megacycle - KK6MC/5

James R. Duffey KK6MC/5  
30 Casa Loma Road  
Cedar Crest, NM 87008

-----  
Date: Thu, 25 Nov 1999 13:42:55 EST  
From: Rod J Johnson <ka7you@juno.com>  
To: QRP-L@LeHigh.EDU  
Subject: [56772] HB: Crystal question  
Message-ID: <19991125.114623.6951.11.ka7you@juno.com>

First, Happy Thanksgiving to all!

While going through some old crystals, I can across an FT-243 which was marked 21.115.

I put it in my G3RJV crystal tester, and heard the signal on 21.115 and also on ~7.038. Is this crystal likely designed as a third overtone? Will it work fine as a 40M crystal, or am I likely to damage it somehow by using it on 40M? I've had this since the '60's, and it was my only 15M crystal in my HeathkitDX-35. I have not tried it in my HW-16 yet.

Thanks,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.  
80M thru 10M with K2 s/n268 and other fine QRP rigs.  
VHF thru 1296 MHz-higher bands pending  
ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

-----  
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-----  
Date: Thu, 25 Nov 1999 14:34:35 -0500  
From: Barry J Minsky <w2bj@juno.com>

To: qrp-1@lehigh.edu, qrp@qth.net  
Subject: [56773] QRP++ PROBLEM  
Message-ID: <19991125.143439.-296809.1.w2bj@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

I am having a problem with my QRP++. The memory frequencies are no longer held in memory. When I turn the rig on, it displays a frequency far away from the ham bands. If I hold the memory button in when I turn the rig on, it sets up the factory presets as it is supposed to. I replaced the battery, thinking that was the problem, but that did not help. Has anyone else had that problem? Do you have any advice?

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century Club #569, Platinum #51, FISTS CW Club of Coastal Georgia, Knightlites, Adventure Radio Society #359, Six Club #151, QCWA #29298, OOTC #3723

-----  
Date: Thu, 25 Nov 1999 12:17:55 -0800 (PST)  
From: "W.six.ABC Oakland" <w6abc@yahoo.com>  
To: qrp-1@Lehigh.EDU  
Subject: [56774] FS: HTX-10  
Message-ID: <19991125201755.17791.rocketmail@web2101.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Hi,

(Marginal QRP item.) I have a brand new HTX-10 that I was intending to use in the car. I have decided to put a multiband HF rig in it and would like to sell the Radio Shack 10 meter rig (purchased 11/21). It is the new one and works great (I had to try it). I know in some parts of the country they are hard to come by so I thought I'd post this here for those who want one. I just want what I paid for it and I'll ship. Receipt will be included. Total price was \$151.54(\$139.99+tax)but I'll take \$150 even. First email gets it.

73,

Jack

-----  
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-----  
Date: Thu, 25 Nov 1999 14:24:05 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>  
Subject: [56775] qrp antenna question  
Message-ID: <Pine.LNX.3.95.991125141537.2530A-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was wondering if anyone who has ELNEC or EZNEC would mind running the antenna I use on 40 mtrs qrp through the program to see what you come up with on this installation?.....it's a delta loop with the apex at about 48 feet...the left corner of the triangle is tied off to a wooden fence at a height above ground of 6 feet....the right corner of the triangle is tied off to a chimney at a height of about 18 feet.....this results in a "tilted" delta loop....I've often wondered if I can improve this for the fox hunts but from an e-mail about loops from L.B. it might be ok as it is situated....still I would like to know what these programs might say about this antenna....just curiosity you know eh!?!.....thanks....I feed it with a 1/4 wave coax transformer.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,  
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"  
"I am da man wit "DAH" paddle!"

-----  
Date: Thu, 25 Nov 1999 15:31:42 -0500  
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>  
To: "INTERNET:kh6b@juno.com" <kh6b@juno.com>  
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.edu>  
Subject: [56776] Re: K0EVZ FOX--Tks All, Log Tomorrow  
Message-ID: <199911251534\_MC2-8E84-4953@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain;  
charset=us-ascii  
Content-Disposition: inline

Dean:

Heavens to Murgatroyd--missed you again. Holy smokes. The QRM was terrific

much of the hunt, especially in the last 15-20 minutes or so. So I probably couldn't have picked you out, anyway. But sure would have been fabulous to have you in my FOX log :-).

The loop performed admirably despite being incompletely installed. Still drooping down at one corner. I hope to get out a bit later to bring up a bit more. It will only be 33' high all way around, but that should be okay, since it is a 160 Metre loop. Would be great to have it higher, but not possible presently.

Anyway, thanks for trying. Any chance of a sked during this weekend? Been on the air all morning, on various bands. Grabbed HC8M easily on 17, and OH5LF on 10. And there have been lots of leisurely QSO's with fellow QRPers and others.

So what say? I will be happy to accommodate your sked. Been a while since I worked HI. Would be great.

Happy thanksgiving and aloha nui loa :-).

72,

--Doc Lindsey/K0EVZ

DSBF

PO BOX 6028

Bismarck, ND 58506

K0EVZ@arrl.net

-----  
Date: Thu, 25 Nov 1999 15:31:44 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: QRP-L Discussion Group <QRP-L@Lehigh.edu>

Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, "(unknown)" <andymeng@juno.com>, "(unknown)" <ripowell@mpna.com>, "(unknown)" <Shephed@aol.com>,

"Holly A. Lindsey" <71153.2525@compuserve.com>, Bruce Ratray <rattray@gpfn.sk.ca>, Paul Valko <prvalko@oakland.edu>

Subject: [56777] K0EVZ FOX Log 11/25/99

Message-ID: <199911251534\_MC2-8E84-4954@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain;

charset=us-ascii

Content-Disposition: inline

Gang:

Here is my log for the FOX hunt earlier today. Please check it for errors

and let me know (off-line, please, to reduce clutter and wasted BW). I wrote Marshall's number down, but can't read it! Was too excited, I reckon. Marshall, please send it along. TU.

Thanks again for the honour of serving as a FOX this season. I may post a soap box later.

| TIME  | CALL  | Given | Rcvd | RST<br>State | Name     | Number |
|-------|-------|-------|------|--------------|----------|--------|
| ===== |       |       |      |              |          |        |
| 0101  | N1FN  | 559   | 579  | CO           | ET (sic) | 153    |
| 0102  | NV4V  | 559   | 569  | KY           | Pete     | 1721   |
| 0103  | N9AW  | 559   | 579  | WI           | Jerry    | 1271   |
| 0104  | W0CH  | 569   | 569  | MO           | Dave     | 619    |
| 0105  | AB7CE | 559   | 599  | MT           | Roy      | 1494   |
| 0106  | K0PC  | 569   | 579  | MN           | Pat      | 1964   |
| 0108  | AA0ZZ | 569   | 579  | MN           | Craig    | 1238   |
| 0109  | AE4Y  | 559   | 559  | GA           | Kent     | 1844   |
| 0110  | W0AV  | 559   | 599  | MO           | George   | 1866   |
| ===== |       |       |      |              |          |        |
| 0111  | K1JD  | 559   | 599  | RI           | John     | 1945   |
| 0112  | K5ZTY | 589   | 559  | TX           | Bill     |        |
| 473   |       |       |      |              |          |        |
| 0115  | N6WG  | 559   | 559  | CA           | Bob      | 26     |
| 0117  | AA5TA | 559   | 559  | TX           | Larry    | 1245   |
| 0116  | K1MG  | 569   | 569  | CA           | Mike     | 614    |
| 0120  | W5TB  | 569   | 559  | TX           | Doc      |        |
| 673   |       |       |      |              |          |        |
| 0121  | W8SFF | 569   | 559  | MI           | Steve    | 1288   |
| 0122  | AF5Z  | 559   | 579  | TX           | Bob      |        |
| 984   |       |       |      |              |          |        |
| 0123  | KI7MN | 559   | 579  | AZ           | Bob      |        |
| 271   |       |       |      |              |          |        |
| 0124  | VE3JC | 559   | 549  | ON           | John     | 744    |
| ===== |       |       |      |              |          |        |
| 0125  | N4ROA | 559   | 559  | VA           | Dan      | 970    |
| 0126  | W5HNS | 559   | 559  | TX           | Henry    | 178    |
| 0127  | AE2T  | 559   | 559  | NY           | Al       |        |
| 1664  |       |       |      |              |          |        |
| 0128  | W0RW  | 559   | 599  | CO           | Paul     | 1284   |
| 0129  | N7GS  | 569   | 579  | MT           | Mal      |        |
| 815   |       |       |      |              |          |        |
| 0130  | K2UD  | 559   | 559  | NY           | Howard   | 1535   |
| 0131  | WE6W  | 559   | 559  | CA           | Ed       | 1068   |
| 0133  | K8CV  | 559   | 559  | MI           | Walt     |        |
| 935   |       |       |      |              |          |        |
| 0134  | AB0GO | 579   | 599  | CO           | Dave     | 785    |
| 0135  | N0EA  | 589   | 599  | MO           | Wayne    | 1058   |



```

=====
0135      N0DT      579      559      MO      Dan      1004
1038      N3BJ      559      559      VA      Alan
34
0139      N5LU      569      579      OK      Bill
2009
0141      N0AR      569      559      MN      Scott      1455
0142      NQ7X      559      559      AZ      Floyd      343
0143      KI0II      559      579      CO      Ron
928
0144      NK6A      559      549      CA      Don      1517
0145      NW7DX      559      559      WA      Ben      1892
0147      WS4S      559      439      TN      Conard      993
0149      AB7MY      549      559      AZ      Gary      571
=====
0150      K5NB      559      569      TX      Mike      2018
0152      AB5UA      559      559      OK      Clif
478
>>>Changed from Bazooka to Loop<<<
0153      N0EHW      569      559      MO      Tim      2047
0154      W0JOE      579      559      MO      Joe      1901
0158      K9AAR      579      559      OK      Don      1512
0159      N1LN      559      579      TX      Bruce      2049
0200      KU7Y      559      579      NV      Ron      17
0202      KE5TC      569      559      OK      Roy      1057
0203      KI0G      559      559      CO      Bob
239
0205      VE5RC      569      559      SK      Bruce      886
=====
>>>QSY to 7.044.1<<<
0208      AB8DF      569      559      MI      Ed
1444
0209      N0LN      569      559      CO      Bob      1789
0210      K5LN      569      559      TX      Bill
1794
0212      W5YR      559      559      TX      Geo      1373
0213      VE7CQK      579      559      BC      Paul      20
0214      W0RSP      599      599      SD      Ade      661
0215      N8IE      589      559      OH      Dan      1404
0217      N8VAR      579      559      OH      Ron      263
0218      N2SMH      559      449      NJ      David      74
0220      K5JHP      569      559      TX      Bill
825
=====
0222      N5JI      559      559      TX      Rich
1054
0222      AF4RS      559      559      FL      Mac      704
0224      WD8KRY      559      559      OH      Mary      446

```

|                                |        |     |     |    |       |      |
|--------------------------------|--------|-----|-----|----|-------|------|
| 0225                           | KC5LD  | 579 | 559 | TX | Dan   | 205  |
| 0227                           | N1TP   | 569 | 449 | FL | Tom   | 1317 |
| 0228                           | W5TFB  | 579 | 449 | TX | Jack  | 282  |
| 0229                           | NT1R   | 559 | 559 | ME | Bill  |      |
| 912                            |        |     |     |    |       |      |
| >>>Switched back to Bazooka<<< |        |     |     |    |       |      |
| 0230                           | N6XA   | 559 | 579 | CA | Stan  |      |
| 99                             |        |     |     |    |       |      |
| 0231                           | K50I   | 559 | 559 | NM | Tom   |      |
| 73                             |        |     |     |    |       |      |
| 0233                           | N5IB   | 569 | 559 | LA | Jim   |      |
| 1913                           |        |     |     |    |       |      |
| =====                          |        |     |     |    |       |      |
| 0234                           | N0UR   | 589 | 599 | MN | Jim   |      |
| 799                            |        |     |     |    |       |      |
| 0235                           | KD5CMN | 559 | 449 | TX | Mike  | 1328 |
| 0237                           | VE6EWM | 559 | 579 | AB | Earl  | 1026 |
| 0238                           | K5VUU  | 579 | 559 | TX | Ed    |      |
| 1343                           |        |     |     |    |       |      |
| 0241                           | K5DW   | 559 | 559 | TX | Don   |      |
| 2093                           |        |     |     |    |       |      |
| 0242                           | NA6E   | 579 | 559 | CA | Mary  |      |
| 1779                           |        |     |     |    |       |      |
| 0244                           | NM5M   | 559 | 559 | TX | Eric  |      |
| 1824                           |        |     |     |    |       |      |
| 0245                           | K5UP   | 559 | 559 | OK | Glen  |      |
| 21                             |        |     |     |    |       |      |
| 0247                           | K0YWD  | 559 | 579 | MT | Skip  | 2003 |
| 0249                           | W2UX   | 559 | 579 | SC | Gary  |      |
| 593                            |        |     |     |    |       |      |
| =====                          |        |     |     |    |       |      |
| 0251                           | KA5T   | 579 | 559 | TX | Larry |      |
| 89                             |        |     |     |    |       |      |
| 0252                           | KB9BVN | 569 | 559 | IN | Brian |      |
| 1540                           |        |     |     |    |       |      |
| 0254                           | AJ4Y   | 569 | 449 | FL | Paul  |      |
| 1795                           |        |     |     |    |       |      |
| 0256                           | AA2PF  | 549 | 559 | NY | Dave  |      |
| 0306                           |        |     |     |    |       |      |

That's what I got down. Please send me corrections within 48 hours, so I can send the best log possible to Paul Momma FOX and Bruce Mr. QRP Team Guy :-). Thanks, --Doc

-----

Date: Thu, 25 Nov 1999 12:54:17 -0800  
 From: "Dave" <kd6kwm@mindspring.com>

To: <dandooley@pipeline.com>  
Cc: "QRP-L" <qrp-l@Lehigh.EDU>  
Subject: [56778] To QRP or not to QRP....Followup.  
Message-ID: <000b01bf3787\$7414dc20\$03c9aec7@Dave>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Subject: To QRP or Not to QRP

> Folks, maybe it's just me, but while I'm enjoying running my power  
at  
> 3 or 4 watts, sometimes I get the feeling that some other stations  
out  
> there are wondering why. For example, I just ran across an old  
letter  
> in QST from a couple of years ago by someone lambasting QRP  
> operation. Stating in essence that it's not due to the skill of the  
QRP  
> operator that the contact is made, but due to the skill of the  
receiving  
> operator, and at the expense of the receiving operator. Making him  
> or her have to work harder to hear the weak station, just because  
the  
> sending station chooses to limit his power. So, according to this  
writer,  
> the real credit should go to the receiving operator who is likely  
QRO  
> and thus putting out enough power to make it easier on other  
stations  
> trying to copy him. There is certainly some truth to this, but I  
think it's  
> missing some of the point and spirit of the whole QRP thing.....

>Dan W. Dooley WB5TKA           Y2K Complacent

Hi Dan,

Still trying to get caught up w/ the QRP-L digests. (UGH, only 14 days  
behind... Should've never bought so many kits at Pacificon. Not  
enough  
hours in a day to build and read....)

Just a quick follow up note on this letter, and what has happened  
since...

The ham who wrote this letter is a member of my local club. Adam is a VERY unusual TEENAGER (he was 16-17 when he wrote this letter). He is a very "hard-core" tube fanatic & loves to rebuild old "glow-in-the-dark" QRO rigs. He's also a high speed CW nut. Has been for years. He's forgotten more about tubes than most hams will ever know. He's VERY skilled in repairing tube equipment and QRO amps.

While I don't agree with his letter, and I'm not making excuses for him either,  
I will say he has done more for the ham community locally than just about 80+% of the hams. He has taught with his dad several Novice/Tech/General classes and helped many of us upgrade (he helped me get my 5WPM to Tech+.)

Just in closing I will say that he got several HUNDRED flaming E-mails soon (days) after his letter came out in QST. He's since learned to "edit" (i.e. tone-down) his opinions. As for the club, we (lovingly?) harassed him about this letter for months. I get the feeling that he had no idea how much of a "hornets nest" he was stirring up when he wrote the letter.

And now, (as with most teenagers,) he's gotten his drivers license, discovered females, and 4X4 trucks.

Several of the QRP crowd in the club still (jokingly) trade "barbs" with Adam at swaps and club meetings. At heart he's still a good guy and a good ham. Though I still don't agree with his letter.

72/3 de Dave Willey - KD6KWM

-----

Date: Thu, 25 Nov 1999 12:50:58 -0800  
From: Dave Barrett <DBarrett@creo.com>  
To: "'w2bj@juno.com'" <w2bj@juno.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [56779] RE: QRP++ PROBLEM  
Message-ID: <BFEEFC3386986D2119C0800A0C99B5DE6E96A8E@msgcreo3.creo.bc.ca>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Talk to Stan Yarema K7SY, he can be found at: 3457 12th Ave West, Seattle, WA, 98119

Phone: 206 285 8941 email at: BG783@scn.org

Stan was Bruce Franklin's production line manager at Index for the QRP+ and ++ projects, he is a smart chap and will likely be able to assist you, Bruce by the way is no longer supporting these old babies due to other pressures. Stan has taken on the servicing of the entire line.

Good Luck

Dave VE7PCC

-----Original Message-----

From: Barry J Minsky [mailto:w2bj@juno.com]

Sent: Thursday, 25 November, 1999 11:35 AM

To: Low Power Amateur Radio Discussion

Subject: QRP++ PROBLEM

I am having a problem with my QRP++. The memory frequencies are no longer held in memory. When I turn the rig on, it displays a frequency far away from the ham bands. If I hold the memory button in when I turn the rig on, it sets up the factory presets as it is supposed to. I replaced the battery, thinking that was the problem, but that did not help. Has anyone else had that problem? Do you have any advice?

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century Club #569, Platinum #51, FISTS CW Club of Coastal Georgia, Knightlites, Adventure Radio Society #359, Six Club #151, QCWA #29298, OOTC #3723

-----  
Date: Thu, 25 Nov 1999 15:34:39 EST

From: kc8aon@juno.com

To: resmith666@uswest.net, qrp-l@Lehigh.EDU

Subject: [56780] Re: RTTY/CW PC Interface Recommendations?

Message-ID: <19991125.155745.4655.3.kc8aon@juno.com>

1. Correct, it is plug and play after making connections to the rig and installing the software and configuring it for the the proper comport.
2. Yes, it does receive and transmit all modes except Pactor, which is receive only with the registered version of Hamcom.
3. Very easy to tune on CW, RTTY, the Hamcom software has on screen

tuning indicators for all modes, on SSTV you simply zero beat the other ops for best voice clarity and away you go !

4. As for information, I used the ARRL's "HF Digital Companion" by Steve Ford-WB8IMY, a very informative book ! The Hamcom software and JVfax both have extensive manuals included on the disc with provisions to print them to hard copy.

5. As for frustrations, not many ! but the BP-2M is a DOS only ordeal. If you try and run it under Windows, it reverts back to a packet only unit and must be reset, but this only involved a phone call to the makers in which they gave me a number to type into the program and it was back up and running PDQ ! To change from one mode to another you have to use BPmode which is included in their software, you go into a menu, select the mode of choice then save and exit. Then just select the proper program for the mode that you chose and you are on the air. And I must add that the maker greeted me with kindness when I called and was more than willing to help ! What I like about the BP-2M is that it draws it's operating power direct from the PC, eliminating the power connection, it's size, which is about 2.5" X 1.5" X 5/8", and it's veratility ! I think it is a real bargain in todays world, and no I dont work for nor own stock in the company !

Good Luck and "6 birthdays" ? WOW !  
73 & God Bless.....Rick McKee KC8AON <><  
Willow Wood, Ohio

On Thu, 25 Nov 1999 08:53:17 -0700 "Ron Smith" <resmith666@uswest.net> writes:  
>Morning Rick,  
>  
>I was eavesdropping on your post about the BayPac BP-2M. Let me ask  
>you a  
>few questions about this product. Do I presume correctly that:  
>  
>1) it comes ready to plug into the computer? You just need to make  
>the  
>cable that connects between the BP-2M and the transceiver?  
>  
>2) it receives AND transmits in ALL modes? I ask this one because I  
>have  
>seen some really nice interfaces that only received data but wouldn't  
>transmit anything.  
>  
>3) How hard is it to tune in CW, RTTY, and SSTV stations?  
>  
>4) Where can I get more information on tuning and using RTTY and SSTV  
>modes -- for the intellectually challenged?

>  
>I haven't had any successful RTTY contacts in over 15 years. Back  
>then I  
>had a C-64 with a RTTY module which worked find. Since then I have  
>used a  
>Kam which was hard to tune and get a reliable lock, and a program that  
>was  
>suppose to work with the Sound Blaster sound card - but it too was  
>very  
>un-reliable! Then earlier this year I tried the Sound Blaster program  
>to  
>grab an HF SSTV picture. I could hear the signal great - but never  
>received  
>more than static on the local screen.  
>  
>Your post about the BayPac BP-2M has be thinking about trying RTTY and  
>SSTV  
>once again. If your answers come back with the anticipated responses,  
>I  
>will most likely order that puppy at the end of next month. Have to  
>wait  
>until then because of 6 Birthdays, Christmas, and New Years -- all  
>hitting  
>us in the last three weeks of December! :-)  
>  
>Please tell me more about your experiences with your BP-2M -- and feel  
>free  
>to include any frustrations as well. Frustration stories make me feel  
>so  
>much better when items work for me right out of the box. LOL  
>  
>Thanks Rick  
>  
>God speed, and may you and yours have a VERY Happy Thanksgiving.  
>  
>73 my friend...  
>  
>Ron Smith - KD7VD - Boise, Idaho  
>  
>

---

Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

---

Date: Thu, 25 Nov 1999 16:31:09 EST  
From: Dean W Manley <kh6b@juno.com>  
To: qrp-1@Lehigh.EDU  
Cc: kh6b@juno.com  
Subject: [56781] Re: knightlight beacon.. where??  
Message-ID: <19991125.113134.5391.0.kh6b@juno.com>

Paul and Group,

Correction: 1200 - 1300z instead of 0200 - 0300z.  
Actually, the middle of the night. Hey, I got up  
special, just to listen! Sorry.

>I listened for the beacon 0200-0300z.

>NIL. However, conditions were pretty good  
with several stations calling DX.

Aloha,  
Dean KH6B  
Hilo Hawaii

---

Get the Internet just the way you want it.  
Free software, free e-mail, and free Internet access for a month!  
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

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Date: Thu, 25 Nov 1999 17:06:06 -0500  
From: Barry J Minsky <w2bj@juno.com>  
To: malman@world.std.com, qrp-1@lehigh.edu, qrp@qth.net  
Subject: [56782] Re: QRP++ PROBLEM  
Message-ID: <19991125.170616.-296809.0.w2bj@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hi Friends,  
I want to thank everyone who gave me advice about my QRP++ problem. It  
was Joel, K1QM who gave me the solution as quoted below. I checked the  
contacts with a volt meter and, although the contacts looked good, no  
contact was being made. I inserted a penny and it works. Thank you  
Joel. This is the first time I have been able to solve an electrical  
problem for \$.01.

> Time to replace the battery. > NOTE: While you are there changing  
the battery, check that the



> contacts are "SOLID", sometimes they loosen up with age and  
> tension. I had a tension problem. Installed a bright shinny  
> penny and had good tension on the battery after that.

72/73,

Barry J. Minsky, W2BJ

ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century  
Club #569, Platinum #51, FISTS CW Club of Coastal Georgia, Knightlites,  
Adventure Radio Society #359,  
Six Club #151, QCWA #29298, OOTC #3723

-----  
Date: Thu, 25 Nov 1999 15:27:11 -0700  
From: Lou Martin <lmartin@uswest.net>  
To: wlegge1@maine.rr.com, qrp-l@lehigh.edu  
Subject: [56783] Figuring out my new Index Labs QRP+  
Message-ID: <383DB7BF.E249839E@clsp.uswest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi again,

Stupid me! I guess I'm not used to reading digital dials (there aren't any  
letters  
on the dials of my R4A or R-390A). Until now I could not figure out what the 55.8  
readout meant when I pushed the BANDWIDTH button.

Now I understand that it actually says SSB, and the "CbJ" is actually CW! So what  
does it mean? I know I was able to operate either SSB or CW when it said SSB.  
Does it change filters? Does it enable/disable the internal keyer (I was using a  
bug)? Does it change the AGC constants? Does it change the memory recalls to the  
appropriate section of the bands?

I switched between SSB and CW while monitoring both types of signals and didn't  
hear any differences.

Any help would be appreciated.

72, LOU

-----  
Date: Thu, 25 Nov 1999 17:42:09 -0500  
From: "N4BYJ" <aturner13@mindspring.com>  
To: <qrp-l@lehigh.edu>  
Subject: [56784] PEP reading for WM2?

Message-ID: <00b401bf3796\$4f35a100\$272c8ad1@pentiumii>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Does anyone know if the WM2 can be modified to read PEP and how this could be done?

tnx  
N4BYJ

-----  
Date: Thu, 25 Nov 1999 15:45:06 -0700  
From: Lou Martin <lmartin@uswest.net>  
To: qrp-l@lehigh.edu  
Subject: [56785] LDG Auto Tuner inside a QRP+?  
Message-ID: <383DBBF1.3DB839B@clsp.uswest.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Has anyone successfully installed LDG's QRP or Z-11 Tuner inside their Index Labs QRP+ or ++? I know the internal speaker takes up some valuable space, but this could make the perfect band-hopping combination in one package.

LOU

-----  
Date: Thu, 25 Nov 1999 18:05:59 -0500  
From: Mike Czuhajewski <wa8mcq@erols.com>  
To: QRP forum <qrp-l@lehigh.edu>  
Cc: Mike Czuhajewski <wa8mcq@erols.com>  
Subject: [56786] RE:variable cap for HW8  
Message-ID: <383DC0D7.593A@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

AB5NI suggested the Xtal Set Society as a possible source of replacement variables for the HW-8 VFO cap, but didn't mention the URL. Here it is--

<http://www.midnightscience.com/>

As he said, they had a variable cap made for their projects and have a lot for sale, but unfortunately it's 365 pF, far larger than the one in the HW-8. (It does look like the physical size is similar, though.) And I'd be uneasy paying that much money (\$10.95 plus shipping) and then risking things by pulling out plates to get the right value :-). And even then there's a good chance you wouldn't be able to come close enough to the original value to avoid having to completely redraw the frequency dial.

But at least they DO have these things available, which are almost impossible to find. (As I seem to recall, when KI6DS was scouring the country for parts for a NorCal tuner project a few years ago, he said there was ONE company in the country that still made these things.) That price looks a bit steep to those of us who remember years back when they were everywhere and only a couple of bucks each. But don't forget about inflation--when we remember something only costing a couple of bucks we remember the numbers but not how those numbers related to average wages of the same period.

In my summer job between high school and college, 1968, I worked on a construction crew drawing union wages, making good money as a laborer--and that was \$3.65 an hour. In 1968 that was significant money even to adults. Back in those days the 365 pf variables probably cost a couple bucks each, and that was a huge amount of money then to a hobbyist :-). If you took the 1968 prices and corrected for inflation, that \$10.95 now wouldn't seem so out of line, I'm sure.

And here's an example, from a CPI calculator I found on the web--assume a price of \$2.95 in 1968, probably in the ball park or on the high end for a good quality variable in those days, and in 1999 the equivalent price would be \$14.07. Like I said, those prices in the "good old days" weren't that much of a bargain when corrected for inflation :-).

I mentioned this in response several months ago to another qrp-l query about the HW-8 caps, and I'll toss it out again since no one has taken the bait yet: This is 1999 and we've had pot tuned, varactor VFO rigs for years and years. Remember the NorCal40 and 40A? And there were many others. We're STILL waiting for someone to come out with a mod like that for the HW-8! I still don't think anyone has done it. Those of you who have an HW-8 sitting around, here's your chance to make lots of people happy by coming up with a pot tuned VFO mod. After all, those HW-8's are getting older all the time, and the plates on the VFO caps DO fall off :-). And when someone does do the mod, I'll be more than glad to feature it in my Idea Exchange column in the QRP Quarterly!

--

73 and Queue Our Pea de WA8MCQ      wa8mcq@erols.com

-----  
Date: Thu, 25 Nov 1999 00:43:19 -0700  
From: Ray Colbert <af852@rgfn.epcc.edu>  
To: ka7you@juno.com  
Subject: [56787] Re: HB: Crystal question  
Message-ID: <383CE897.BDECC82E@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Rod, The crystal is a fundamental 7038, I have some marked that way from my novice days in the 50's, which would triple into 15 meters, and they also work just fine on the 7 mhz fundamental. Just make sure the band switch is set correctly and tuned for the correct band or you could get some answers to a cq on 15 if operating 40. My crystals do double duty on my HW-16 so you should be all set.

gl & 73

Ray

--

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"  
"Scotsman - Scotsman's Diary 12/97"

-----  
Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2  
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

-----  
Date: Thu, 25 Nov 1999 19:35:46 -0800  
From: "Richard Williams" <richard.a.williams@attcanada.net>  
To: <wa8mcq@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [56788] RE:variable cap for HW8  
Message-ID: <000701bf37bf\$5454fb80\$55cec28e@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Where did you say the hair splitting convention was being held this year? :)  
VE9HF

----- Original Message -----

From: Mike Czuhajewski <wa8mcq@erols.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Thursday, November 25, 1999 3:05 PM

Subject: RE:variable cap for HW8

> AB5NI suggested the Xtal Set Society as a possible source of replacement  
> variables for the HW-8 VFO cap, but didn't mention the URL. Here it is--  
>  
> <http://www.midnightscience.com/>  
>  
> As he said, they had a variable cap made for their projects and have a  
> lot for sale, but unfortunately it's 365 pF, far larger than the one in  
> the HW-8. (It does look like the physical size is similar, though.) And  
> I'd be uneasy paying that much money (\$10.95 plus shipping) and then  
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> construction crew drawing union wages, making good money as a  
> laborer--and that was \$3.65 an hour. In 1968 that was significant money  
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> couple bucks each, and that was a huge amount of money then to a  
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>  
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>  
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> for years and years. Remember the NorCal40 and 40A? And there were many  
> others. We're STILL waiting for someone to come out with a mod like that  
> for the HW-8! I still don't think anyone has done it. Those of you who  
> have an HW-8 sitting around, here's your chance to make lots of people

> happy by coming up with a pot tuned VFO mod. After all, those HW-8's are  
> getting older all the time, and the plates on the VFO caps DO fall off  
> :-) And when someone does do the mod, I'll be more than glad to feature  
> it in my Idea Exchange column in the QRP Quarterly!  
> --  
> 73 and Queue Our Pea de WA8MCQ      wa8mcq@erols.com

-----  
Date: Thu, 25 Nov 1999 18:43:52 EST  
From: BenNW7DX@aol.com  
To: qrp-l@lehigh.edu  
Subject: [56789] HB: Screwdriver substitute  
Message-ID: <0.b89ae7e7.256f23b8@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hey Guys,

I was wondering if anybody knows of any substitutes for metal screwdrivers. A few months ago I received a Rainbow tuner and have been attempting to adjust the variable cap with a \*metal\* screwdriver, which of course you know detunes it alittle bit, so I've been experimenting trying to figure out how much more or less I need to tune the cap with the screw driver as to get good match once the screwdriver is taken off. Well, I havent really liked doing it this way, so i've been on the search for a screwdriver substitute. I know there are some plastic ones available and other commercially made things, but are there any house-hold objects that might work? I have tried using those plastic silverwear knives, but they are too thick for the grouve in the capacitor. Im not looking for anything expensive, just something that will do the job and could possible be available around the house. Anybody know of anything that would work?

Thanks for your time,  
Ben - NW7DX  
Redmond, Wa

-----  
End of QRP-L Digest 1650  
\*\*\*\*\*